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NEW HAMPSHIRE

vital statistics 1981

the state center for health statistics

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VITAL STATISTICS REPORT FOR THE STATE OF NEW HAMPSHIRE, 1981

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REQUESTS FOR DATA

In addition to the figures and tables appearing in this report, the Bureau has additional information available upon written request and will make every effort to comply with requests for data within its limitations of staff and resources.

Please direct all requests for data to:

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July, 1982

INTRODUCTION

This report is a statistical summary of vital events in New Hampshire for the calendar year of 1981. Data concerning births, deaths, marriages and divorces are presented. Interpretations of these data should take the following information into account.

Under-Registration of Events: While under-registration can occur, it can be considered a minimal problem in New Hampshire. The number of reports of events received too late for inclusion in annual summary statistics is not statistically significant when state-wide patterns are examined.

Geographic Allocation of Events: Geographic allocation is based on the reported residence or on the reported place of occurrence of an event. Every effort is made to be as accurate and as complete as possible in allocating an event. For births, infant deaths and fetal deaths, residence denotes the mother's usual residence. For deaths, the decedent's usual residence is used. For marriage and divorce, the data refer to New Hampshire occurrences only since there is no exchange of information for these events among states.

Comparability in Cause-of-Death Statistics: Two major factors affect the interpretation and comparability of cause-of-death statistics over time. They are changes in the scheme for classifying the causes and changes in diagnostic practices.

The classification scheme, the International Classification of Diseases (ICD), is modified approximately once every ten years to reflect changes in medical opinion and practices. The most recent revision, the ninth, was issued in 1978. Cause of death statistics in this 1981 report reflect the use of this ninth revision of the ICD.

To compare mortality statistics from one revision of the ICD to the next it is necessary to use "comparability ratios". Comparability ratios provide a measure of how much discontinuity exists in the mortality data resulting from the introduction of a new revision for the ICD. Such ratios are developed by comparing the number of deaths assigned to a cause, or group of causes in the previous revision to the number assigned in the next revision.

Underlying (principal) Cause of Death Data: Cause of death data have been classified using the automated system known as ACME (Automated Classification of Medical Entities). The system provides for computer assignment of the underlying cause of death in accordance with decision rules specified in a computer program. The rules are the same as those applied by nosologists in assigning underlying causes of death.

Nosologist application of the rules may sometimes contain error. ACME is said to eliminate this avenue of error since the exact same criteria are applied in every case in the machine process.

Interpreting Rates: A number of points should be kept in mind when examining rates.

Rates based on small numbers of events usually exhibit considerable variation. Such variation substantially limits the usefulness of rates as estimators of the probability of the occurrence of an event and their utility in making comparisons.

Unadjusted rates are not reliable for drawing definitive conclusions when comparing different areas since they do not take into account various factors which may influence the rate such as age, sex and occupation. For example, one should not assume that a rate difference between two areas for cardiovascular disease is significant where no adjustment for the age distributions in these areas has been made, since cardiovascular mortality rises with advancing age.

Where a rate difference appears to be significant, extreme care should be exercised in attributing the difference to any particular factor or set of factors. There are many variables which can influence rates and establishing a valid interpretation of the reason(s) for a rate difference requires substantial data and exacting analysis.

NOTE: All 1981 U.S. rates appearing in this report are provisional.

Vital Events Summary 1981

TABLE 1: SUMMARY VITAL STATISTICS, NEW HAMPSHIRE, 1981

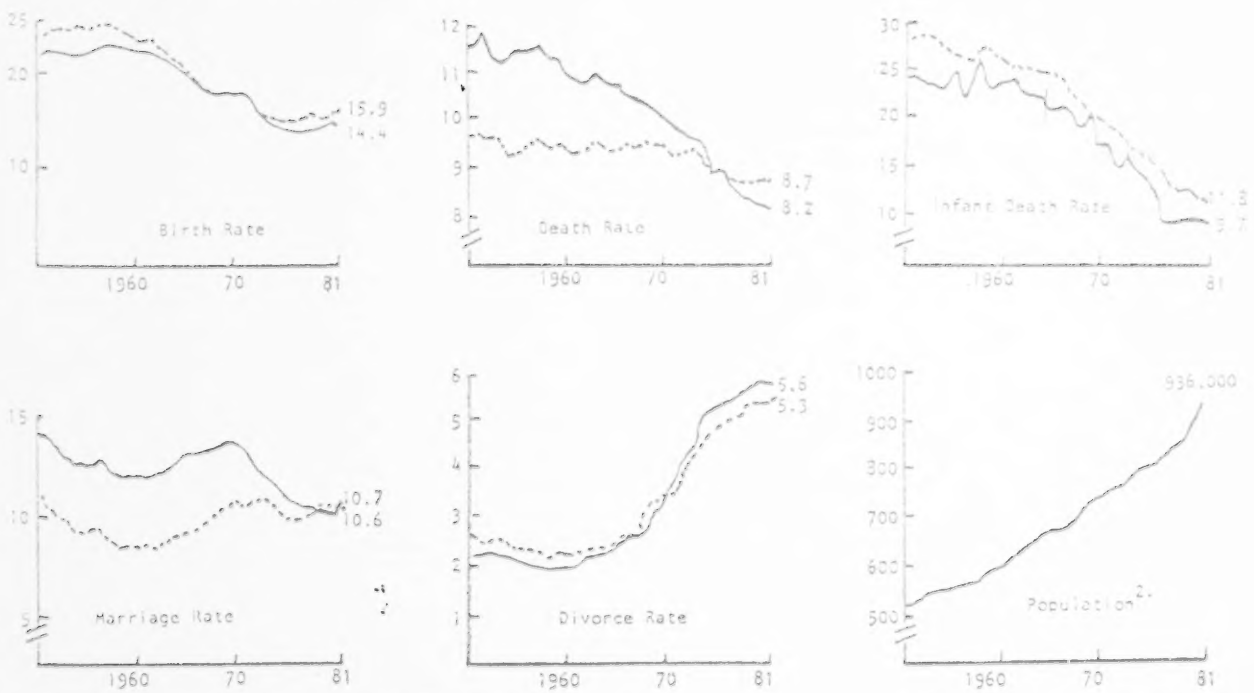
EVENT	RESIDENT NUMBER [1.]	RESIDENT RATE [2.]	OCCURRENCE NUMBER [3.]	OCCURRENCE RATE [2.]
Births	13,487	14.4 per 1000 pop.	13,717	14.6 per 1000 pop.
Deaths	7,662	8.2 per 1000 pop.	7,602	8.1 per 1000 pop.
Infant Deaths	132	9.7 per 1000 live bths.	124	9.1 per 1000 live bths.
Fetal Deaths	87	6.4 per 1000 live bths. & fetal deaths	96	6.9 per 1000 live bths. & fetal deaths
Marriages	-	-	9,987	10.6 per 1000 pop.
Divorces [4.]	-	-	5,288	5.6 per 1000 pop.

Resident Natural Increase: 13,487 births minus 7,658 deaths = 5,829
Resident Rate of Natural Increase: 6.2 per 1000 population
1981 Provisional Estimate of State Population: 936,000 per U.S.Census Bureau.

1. Residence for births, infant deaths and fetal deaths is usual residence of the mother.
2. Rates based on population calculated using U.S.Census Bureau Provisional Estimate of state population of 936,000 as of 7/1/81.
3. Marriage and divorce information are not exchanged among states and are for occurrences within New Hampshire only.
4. Divorces include legal separations and annulments.

Trends

New Hampshire and the U.S., 1960-1981 [1.]



1. Birth, Death, Divorce, Marriage Rates: per 1,000 population.
Infant Death Rate: per 1,000 live births.

2. Population in thousands

TWELVE YEAR SUMMARY, 1970-1981

Births

During the first half of the seventies, the number of resident births per 1,000 population declined from 18.3 in 1970 to 13.6 in both 1975 and 1976. The latter half of the decade was marked by an upward trend in the rate and by 1980 it was 14.9. In 1981 however, the rate decreased to 14.4 per 1,000 persons.

Deaths

The period of 1970 to 1981 was characterized by a decreasing resident death rate. In 1970 the rate was 10.2 per 1,000 population. In 1980 and 1981 it was 8.2, the lowest rate level recorded in New Hampshire.

Infant Deaths, Neonatal Deaths and Fetal Deaths

Over the twelve year period resident infant, neonatal and fetal deaths have decreased. Between 1970 and 1981, the infant death rate fell by 46.4 percent, from 18.1 to 9.7 per 1,000 live births. The neonatal death rate decreased by 52.6 percent during this period while the fetal death rate dropped 37.3 percent.

Marriages

Throughout the seventies the marriage rate generally declined, decreasing from 13.6 per 1,000 population in 1970 to 10.0 in 1980. In 1981, the rate took an upward turn and was 10.7 per 1,000 persons.

Divorces

In 1970 there were 3.4 divorces per 1,000 population and throughout the remainder of the seventies, the rate climbed almost steadily. After reaching 5.9 in 1979, the rate decreased slightly to 5.7 in 1980. In 1981 the rate showed another slight decline, dropping to 5.6 per 1,000 population.

TABLE 2 TWELVE YEAR SUMMARY: VITAL EVENTS[1] NUMBERS AND RATES,[2] NEW HAMPSHIRE, 1970-1981

YEAR	Mid-Year Population[3]	Live Births		Deaths (except fetal)		Infant Deaths		Neonatal Deaths		Fetal Deaths		Maternal Deaths		Out-of-Wedlock Births		Marriages		Divorces	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1970	742,000	13,506	18.3	7,341	10.2	234	18.1	171	13.3	131	10.2	3	2.2	879	65.1	10,006	13.6	2,478	3.4
1971	758,000	13,302	17.6	7,449	10.1	227	17.0	175	13.2	121	9.1	2	1.0	761	57.2	9,771	13.2	2,973	4.0
1972	774,000	12,133	15.7	7,502	9.7	178	14.7	123	10.1	105	8.6	1	0.8	829	68.3	9,752	12.6	3,229	4.2
1973	794,100	11,545	14.6	7,527	9.5	190	16.5	146	12.6	76	6.6	0	0.0	765	66.3	9,570	12.1	3,911	4.9
1974	807,800	11,613	14.4	7,708	9.5	163	14.0	121	10.4	89	7.6	1	0.9	804	65.2	9,239	11.4	4,088	5.1
1975	812,000	11,101	13.6	7,206	8.8	150	13.5	114	10.6	80	7.2	0	0.0	920	82.9	8,831	10.8	4,263	5.2
1976	822,000	11,186	13.6	7,375	9.0	128	11.4	101	9.0	79	7.0	1	0.9	946	84.6	8,550	10.4	4,322	5.3
1977	849,000	12,074	14.2	7,214	8.5	114	9.4	90	7.5	72	5.9	2	1.7	1,035	85.7	8,902	10.5	4,458	5.3
1978	871,100	12,386	14.2	7,304	8.4	124	10.0	95	7.7	68	5.5	0	0.0	1,193	96.3	9,121	10.5	4,766	5.5
1979	886,200	12,828	14.5	7,418	8.4	133	10.3	97	7.6	103	8.0	0	0.0	1,298	101.2	9,107	10.3	5,269	5.9
1980	920,610	13,715	14.9	7,594	8.2	135	9.8	102	7.4	66	4.8	0	0.0	1,498	109.2	9,251	10.0	5,254	5.7
1981	936,000	13,487	14.4	7,662	8.2	132	9.7	85	6.3	87	6.4	0	0.0	1,541	114.2	9,987	10.7	5,288	5.6

1. Live Births, Deaths, Infant Deaths, Neonatal Deaths, Fetal Deaths and Maternal Deaths are by residence. Marriages and divorces are by occurrence.
2. Birth, Death, Marriage and Divorce rates: per 1,000 population. Infant death, Neonatal death and Out-of-Wedlock birth rates: per 1,000 live births. Maternal death rate: per 10,000 live births. Fetal death rate: per 1,000 live births plus fetal deaths.
3. Estimated for 1970-1979. U.S.Census final state population for 1980. 1981: Provisional Estimates from the U.S.Bureau of the Census.

- DEMOGRAPHY -

The 1981 state population was provisionally estimated to be 936,000 as of July 1, 1981* by the U.S.Bureau of the Census. This 1981 provisional estimate reflects additional population of 15,390, an increase of 1.6 percent over the 1980 census count. Of the 15,390, just under 38 percent was assigned to natural increase while 62.1 percent was attributed to in-migration.

The amount of natural increase (the excess of births over deaths) was 5,829 and the 1981 rate of increase was 6.2 per 1,000 population.

See Table 3 below.

TABLE 3 POPULATION CHANGE, NEW HAMPSHIRE, 1950-1981

TIME PERIOD	AMOUNT OF POPULATION CHANGE	COMPONENTS OF NATURAL INCREASE		AMOUNT NATURAL INCREASE	% CHANGE ASSIGNED TO:	
		BIRTHS	DEATHS		NATURAL INCREASE	IN-MIGRATION
1950-1959	+ 62,758	124,652	63,484	61,168	97.5	2.5
1960-1969	+117,079	132,151	70,914	61,237	52.3	47.7
1970-1979	+148,519	121,674	74,043	47,631	32.1	67.9
1980-1981	+ 15,390	13,487	7,658	5,829	37.9	62.1

1981 County population estimates are shown in Table 4. On the basis of these estimates, the three northern counties of Carroll, Coos and Grafton with one-half the state's land mass contained only 13.9 percent of the state's population while the remaining seven counties accounted for 86.1 percent.

** 1981 Federal-State Cooperative estimate was not available as of date of this report.*

TABLE 4 POPULATION PERCENT CHANGE AND DENSITY BY COUNTY,
NEW HAMPSHIRE 1960-1980 and 1980-1981

COUNTY	POPULATION[1] 1960	1970	1980	Est. 1981	PERCENT CHANGE 1960-1970	1970-1980	1980-1981	DENSITY[2] 1960	1970	1980	1981
Belknap	28,912	32,367	42,884	43,742	12.0	32.5	2.0	72.1	80.7	106.9	109.1
Carroll	15,829	18,548	27,931	28,797	17.2	50.6	3.1	17.0	19.9	29.9	30.8
Cheshire	43,342	52,364	62,116	62,861	20.8	18.6	1.2	60.4	73.0	86.6	87.6
Coos	37,140	34,291	35,147	35,154	-7.7	2.5	0.2	20.3	18.7	19.2	19.2
Grafton	48,857	54,914	65,806	66,596	12.4	19.8	1.2	28.5	32.0	38.3	38.8
Hillsborough	178,161	223,941	276,608	280,757	25.7	23.5	1.5	200.2	251.6	310.8	315.5
Merrimack	67,785	80,925	98,302	99,580	19.4	21.5	1.3	72.8	86.9	105.5	106.9
Rockingham	99,029	138,951	190,345	194,723	40.3	37.0	2.3	143.4	201.1	275.5	281.9
Strafford	59,799	70,431	85,408	86,518	17.8	21.3	1.3	158.7	186.9	226.6	229.6
Sullivan	28,067	30,949	36,063	36,424	10.3	16.5	1.0	52.3	57.7	67.2	67.6
STATE:	606,921	737,681	920,610	936,000[3]	21.5	24.8	1.6	67.3	81.7	102.0	103.7

1. 1960, 1970, 1980 population per U.S.census counts. 1981 state population: Provisional Estimate as of 7/1/81 from U.S.Bureau of Census. 1981 county population: calculated provisional estimates based on state level estimate of U.S. Census Bureau.
2. Number of persons per square mile of land area.
3. County estimates do not sum to state level estimate.

The Age Structure of New Hampshire's Population: Change Since 1970

Additional 1980 census data revealed significant shifts in the age structure of the population since 1970. As Table 5 shows, almost every age group except children 14 and under grew substantially. While youngsters declined 3.3 percent (-7,004) adults aged 35-44 and the elderly (65 and over) both increased by 31 percent. The most dramatic growth was in the young adult group 25-34 which expanded by a notable 76.3 percent (+68,126). The median age of the total population also increased, to 30.1 years in 1980, 2.1 years higher than in 1970 and just slightly above the 1980 U.S. median of 30 years.

The pattern of New Hampshire's age structure change was similar to that of the U.S. but there were significant departures in the magnitudes of change and in one case, the direction. See Table 5 below. The state decline in children was not as precipitous as that nationally. Five to 14 year olds decreased by 2.8 percent statewide compared to 14.3 nationwide. Growth in the young adult group 25-34 was much more robust locally, 76.3 percent as against 48.8 nationally. The state's elderly also out-paced senior growth at the national level, 31.1 to 27.9 percent. In the age group 45-54, there was a complete reversal from the national trend: this group grew by 10.8 percent in the state while nationwide it declined by 1.9 percent.

TABLE 5 NEW HAMPSHIRE POPULATION AGE STRUCTURE AND PERCENT CHANGE,1970 and 1980 WITH U. S. AGE DISTRIBUTION AND PERCENT CHANGE, 1980.

AGE GROUP	N.H.POPULATION[1] 1970	1980	PERCENT DISTRIBUTION 1970	1980	U.S.[2] 1980	N.H.% Change in Pop. '70-'80	U.S.% Change in Pop. '70-'80[2]
Under 5	65,356	62,512	8.8	6.8	7.2	- 4.4	- 4.8
5-14	148,920	144,760	20.2	15.7	15.5	- 2.8	-14.3
15-24	125,786	171,400	17.1	18.6	18.7	36.2	19.8
25-34	89,270	157,396	12.1	17.1	16.4	76.3	48.8
35-44	81,436	107,028	11.0	11.6	11.3	31.4	11.0
45-54	81,316	90,121	11.0	9.8	10.1	10.8	- 1.9
55-64	67,185	84,426	9.1	9.2	9.6	25.7	16.7
65-74	47,583	61,788	6.5	6.7	6.9	29.9	25.2
75+	30,829	41,179	4.2	4.5	4.4	33.6	32.4
All Ages	737,681	920,610	100.0%	100.0%	100.0%	24.8%	11.4%

1. U.S.Bureau of the Census 1970 and 1980 population counts.
2. Population Profile of the U.S.: 1980, Current Population Reports Series P-20 No. 363, June, 1981, U.S.Department of Commerce, Bureau of the Census.

New Hampshire's departures from the national growth pattern point to the larger role played by in-migration in the state's population growth than in population growth nationwide. For example, heavy in-migration has augmented expected growth in the 25-34 age group (aging of the baby boomers) while off-setting incipient decline in the 45-54 year old group. (A preliminary state estimate based on a 1980 census sample, placed the percentage of New Hampshirerites born outside of the state at close to 50 percent).

Nationally, the decline in numbers of children, the rapid growth in the young adult group and notable increases in the elderly population are attributable to declines in fertility after the baby boom years, the aging of baby boomers and declines in mortality between 1970 and 1980. In New Hampshire, these general population trends were evident but were mediated by substantial in-migration during the ten-year period.

State population age shifts were also evident in the 1980 percent distribution of age groups in comparison with 1970. See Table 6. Children under 14 dropped from 29 percent of the population in 1970 to 22.5 percent in 1980. The 25-34 age group increased to 17.1 percent of the total in contrast to 12.1 percent in 1970. The percentages of adults in age intervals over 54 years also increased since 1970 but the proportion of adults aged 45-54 fell from 11.0 to 9.8 percent in 1980.

Compared to the 1980 U.S. age distribution, New Hampshire had a slightly lower percentage of children 14 and under (22.5 percent versus 22.7 percent nationally), a higher proportion of 15 to 44 year olds (47.3 to 46.4 percent) and a lower percentage of adults 45 to 64 (19.0 compared to 19.7 percent). Seniors 65 years and over accounted for 11.2 percent of the total population, just under the national senior group percentage of 11.3, which represented a notable change. Until recently, New Hampshire had a larger proportion of persons aged 65 and over than the U.S. population.

The differences between New Hampshire and the U.S. age distributions have implications for comparisons of state versus U.S. rates and should be taken into account when such comparisons are made. In the case of the crude mortality rate for instance, the 1980 distributions favored New Hampshire which had a higher proportion of persons under 35 years of age and a lower proportion of individuals 35 and over than the U.S. population.

Age Structure by Sex

TABLE 6 AGE STRUCTURE OF THE POPULATION BY SEX WITH PERCENT CHANGE, NEW HAMPSHIRE 1970-1980

AGE GROUP	- MALES - No.		% Distribution		% Change in No.	- FEMALES - No.		% Distribution		% Change in No.
	1970	1980	1970	1980	'70-'80	1970	1980	1970	1980	'70-'80
Under 5	33,5[illegible]	31,883	9.3	7.1	- 4.9	31,821	30,629	8.4	6.5	- 3.7
5-14	76,291	74,484	21.2	16.6	- 2.4	72,629	70,276	19.3	14.9	- 3.2
15-24	62,736	85,292	17.4	19.0	36.0	63,050	86,108	16.7	18.2	36.6
25-34	44,472	77,839	12.3	17.4	75.0	44,798	79,557	11.9	16.9	77.6
35-44	40,195	53,928	11.1	12.0	34.2	41,241	53,100	10.9	11.2	28.8
45-54	39,814	44,520	11.0	9.9	11.8	41,502	45,601	11.0	9.7	9.9
55-64	31,579	39,966	8.8	8.9	26.6	35,606	44,460	9.4	9.4	24.9
65-74	20,731	26,655	5.7	5.9	28.6	26,852	35,133	7.1	7.4	30.8
75+	11,319	13,895	3.1	3.1	22.8	19,510	27,284	5.2	5.8	19.8
All Ages	360,672	448,462	100.0%	100.0%	24.3	377,009	472,148	100.0%	100.0%	25.2

Population counts from U.S.Dept. of Commerce, Bureau of the Census.

As the above Table No. 6 shows, females outnumbered males in 1980 and constituted a majority of the total population, 51.1 percent. The sex ratio at all ages was 94 males to 100 females but this measure was considerably different at upper age brackets. At age 65 and over, the female population increased at a markedly higher rate (34.0 percent) than the male population (26.0) and at this age level, the sex ratio was 65 to 100. At age 75 and over, there was further reduction in the number of males to females, 50 to 100. At this

point, there were twice as many women as men. Not only did the senior population grow substantially between 1970 and 1980, it became more predominantly female, the result of large differences between males and females in recent mortality trends.

The increased numbers of the elderly, most of them female, are likely to be dependent upon resources derived from the working population and in 1980 the ratio of persons 65 years old and over to those aged 20-64 was 19 per 100 in New Hampshire, the same ratio for the U.S. in that year. Forty years ago in the U.S. (1940) this ratio was 12 per 100.*

Percent Distribution of the Population by Age and by County

Table 7 below features the 1980 percentages of persons in each age group in New Hampshire's ten counties. Rockingham County contained the highest percentage (23.8) of youngsters age 14 and under followed by Hillsborough (23.6) and Sullivan (23.0). The largest percentage of seniors was in Carroll County (16.2) followed by another northern county Coos (14.2) with Sullivan in third place (13.3).

TABLE 7 PERCENT DISTRIBUTION OF THE POPULATION BY AGE GROUP & BY COUNTY, NEW HAMPSHIRE, 1980*

AGE GROUP	STATE-WIDE	- COUNTY - Belknap %	Carroll %	Cheshire %	Coos %	Grafton %	Hillsboro %	Merrimack %	Rockingham %	Strafford %	Sullivan %
Under 5	6.8	7.0	6.1	6.6	6.8	6.1	7.0	6.7	7.1	6.4	6.9
5-14	15.7	15.3	13.6	15.0	15.3	13.7	16.6	15.3	16.7	14.4	16.1
15-24	18.6	16.1	14.5	19.4	16.5	22.9	18.0	17.8	17.3	25.4	16.2
25-34	17.1	16.5	16.1	16.0	14.5	16.2	17.4	17.3	18.9	15.4	16.2
35-44	11.6	11.2	11.0	11.1	10.2	10.5	12.1	11.3	12.8	10.3	11.1
45-54	9.8	10.3	10.6	9.9	11.1	9.2	9.8	9.9	9.6	9.5	9.9
55-64	9.2	10.5	11.8	9.8	11.3	9.1	8.9	9.1	8.3	8.7	10.4
65-74	6.7	8.0	10.3	7.5	8.5	7.5	6.1	7.2	5.8	6.2	7.8
75+	4.5	5.2	5.9	4.9	5.7	4.9	4.2	5.3	3.5	4.1	5.5
All Ages	100%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

* Based on 1980 population count, U.S.Bureau of the Census

** The ratio of persons 65 years old and over to persons aged 20-64 is often cited as one measure of the elderly population's dependency on the work force.*

TABLE 8 POPULATION, BIRTHS, DEATHS & MARRIAGES BY COUNTY/TOWN, AND DIVORCES BY COUNTY, NEW HAMPSHIRE, 1981

COUNTY & TOWN	ESTIMATED POPULATION*	RESIDENT BIRTHS TOTAL	MALE	FEMALE	RESIDENT DEATHS TOTAL	MALE	FEMALE	RECORDED MARRIAGES	RECORDED DIVORCES
NEW HAMPSHIRE	936,000	13,487	6,887	6,600	7,662	4,042	3,620	9,987	5,288
BELKNAP	43,742	618	310	308	433	248	185	496	200
Alton	2,513	25	10	15	27	17	10	27	
Barnstead	2,439	37	16	21	11	5	6	22	
Belmont	4,175	56	27	29	28	21	7	22	
Center Harbor	832	16	6	10	9	8	1	14	
Gilford	4,991	45	22	23	36	20	16	56	
Gilmanton	2,052	49	25	24	17	9	8	22	
Laconia	15,606	222	117	105	176	96	80	205	
Meredith	4,818	62	39	23	64	30	34	45	
New Hampton	1,273	15	7	8	9	6	3	19	
Sanbornton	1,744	29	13	16	11	6	5	23	
Tilton	3,451	62	28	34	45	30	15	41	
CARROLL	28,797	378	194	184	309	161	148	360	141
Albany	394	5	2	3	5	3	2	2	
Bartlett	1,607	18	9	9	13	5	8	18	
Brookfield	407	4	1	3	1	1	0	1	
Chatham	194	2	2	0	2	0	2	4	
Conway	7,366	104	51	53	71	29	42	101	
Eaton	258	2	0	2	0	0	0	7	
Effingham	662	5	2	3	9	7	2	3	
Freedom	758	10	4	6	8	5	3	8	
Jackson	664	5	3	2	3	1	2	19	
Madison	1,105	18	10	8	11	9	2	8	
Moultonboro	2,299	24	10	14	19	9	10	19	
Ossipee	2,539	42	21	21	37	17	20	35	
Sandwich	924	11	5	6	10	6	4	14	
Tamworth	1,731	24	16	8	21	14	7	22	
Tuftonboro	1,559	15	8	7	18	12	6	12	
Wakefield	2,315	39	21	18	29	15	14	30	
Wolfeboro	4,039	50	29	21	52	28	24	57	
CHESHIRE	62,861	876	457	419	556	304	252	733	324
Alstead	1,481	42	19	23	11	9	2	14	
Chesterfield	2,622	38	17	21	14	6	8	29	
Dublin	1,347	19	11	8	6	2	4	9	
Fitzwilliam	1,829	24	15	9	16	10	6	19	
Gilsum	657	6	5	1	8	4	4	9	
Harrisville	885	13	7	6	13	7	6	12	
Hinsdale	3,653	43	26	17	29	22	7	35	
Jaffrey	4,423	57	29	28	48	22	26	59	
Keene	21,492	261	133	128	209	111	98	214	
Marlboro	1,857	39	18	21	14	7	7	23	
Marlow	555	14	7	7	6	2	4	3	
Nelson	454	7	6	1	3	3	0	7	
Richmond	543	6	5	1	3	2	1	3	
Rindge	3,490	75	42	33	28	18	10	118	
Roxbury	192	1	1	0	2	2	0	1	
Stoddard	511	3	3	0	4	4	0	4	
Sullivan	605	9	2	7	1	1	0	4	
Surry	667	12	6	6	8	5	3	7	
Swanzey	5,250	65	31	34	48	25	23	43	
Troy	2,161	34	14	20	15	7	8	38	
Walpole	3,201	34	17	17	24	9	15	34	
Westmoreland	1,491	10	7	3	24	13	11	14	
Winchester	3,507	64	36	28	22	13	9	34	
COOS	35,154	444	236	208	346	179	167	359	153
Berlin	12,979	154	79	75	138	70	68	108	
Carroll	690	8	6	2	8	3	5	9	
Clarksville	271	3	2	1	1	1	0	2	
Colebrook	2,484	48	28	20	29	17	12	25	
Columbia	691	4	1	3	4	3	1	0	
Dalton	696	7	3	4	6	3	3	7	
Dixville	38	0	0	0	0	0	0	2	
Dummer	408	3	1	2	2	2	0	0	
Errol	324	5	3	2	3	3	0	5	
Gorham	3,342	33	21	12	33	22	11	44	
Jefferson	809	5	2	3	5	3	2	5	
Lancaster	3,415	49	29	20	45	16	29	48	

TABLE 8 POPULATION, BIRTHS, DEATHS & MARRIAGES BY COUNTY/TOWN, AND DIVORCES BY COUNTY, NEW HAMPSHIRE, 1981

COUNTY & TOWN	ESTIMATED POPULATION	RESIDENT BIRTHS TOTAL	MALE	FEMALE	RESIDENT DEATHS TOTAL	MALE	FEMALE	RECORDED MARRIAGES	RECORDED DIVORCES
COOS (Cont'd)									
Milan	1,039	13	8	5	6	5	1	21	
Northumberland	2,521	38	14	24	20	7	13	22	
Pittsburg	783	13	5	8	6	3	3	7	
Randolph	284	3	1	2	4	2	2	4	
Shelburne	329	5	5	0	0	0	0	4	
Stark	480	7	6	1	2	2	0	10	
Stewartstown	940	12	2	10	15	7	8	8	
Stratford	994	13	8	5	7	3	4	9	
Whitefield	1,691	21	12	9	12	7	5	19	
GRAFTON	66,596	896	467	429	610	319	291	645	323
Alexandria	728	8	4	4	9	5	4	2	
Ashland	1,821	41	20	21	19	8	11	24	
Bath	772	10	6	4	7	4	3	3	
Benton	348	4	4	0	4	3	1	2	
Bethlehem	1,845	32	19	13	12	9	3	12	
Bridgewater	625	6	4	2	9	5	4	5	
Bristol	2,240	41	14	27	28	15	13	31	
Campton	1,740	42	25	17	9	6	3	17	
Canaan	2,495	33	20	13	27	14	13	30	
Dorchester	255	6	3	3	4	1	3	1	
Easton	127	2	2	0	1	1	0	1	
Ellsworth	54	0	0	0	1	0	1	5	
Enfield	3,242	63	39	24	22	8	14	19	
Franconia	749	14	7	7	11	2	9	11	
Grafton	742	18	6	12	5	2	3	3	
Groton	273	3	1	2	2	1	1	0	
Hanover	9,155	45	21	24	48	22	26	94	
Haverhill	3,466	43	24	19	49	24	25	45	
Hebron	359	3	1	2	0	0	0	9	
Holderness	1,635	26	12	14	14	4	10	19	
Landaff	265	2	1	1	1	0	1	1	
Lebanon	11,223	167	91	76	95	57	38	102	
Lincoln	1,312	14	9	5	13	8	5	18	
Lisbon	1,519	21	9	12	19	11	8	3	
Littleton	5,575	78	45	33	73	40	33	56	
Lyman	286	1	0	1	3	1	2	5	
Lyme	1,301	21	13	8	11	8	3	12	
Monroe	642	10	4	6	8	6	2	9	
Orange	208	3	0	3	1	1	0	0	
Orford	937	12	6	6	8	2	6	10	
Piermont	510	10	6	4	11	5	6	4	
Plymouth	5,155	48	22	26	31	17	14	36	
Rumney	1,241	24	9	15	17	12	5	12	
Sugar Hill	401	0	0	0	2	1	1	11	
Thornton	987	12	5	7	5	2	3	8	
Warren	658	10	6	4	13	7	6	7	
Waterville	187	4	2	2	0	0	0	3	
Wentworth	540	7	3	4	6	1	5	5	
Woodstock	1,015	12	4	8	12	6	6	10	
HILLSBOROUGH	280,757	4,223	2,174	2,049	2,131	1,091	1,040	2,995	1,677
Amherst	8,639	94	35	59	35	21	14	40	
Antrim	2,212	38	23	15	17	11	6	22	
Bedford	9,481	86	42	44	76	36	40	121	
Bennington	911	13	9	4	10	6	4	5	
Brookline	1,821	26	12	14	8	4	4	24	
Deering	1,092	14	6	8	6	4	2	14	
Francestown	859	8	6	2	8	5	3	13	
Goffstown	11,462	145	76	69	85	39	46	93	
Greenfield	968	21	15	6	5	3	2	5	
Greenville	2,018	29	16	13	11	9	2	18	
Hancock	1,216	16	7	9	10	5	5	9	
Hillsborough	3,485	57	26	31	40	19	21	50	
Hollis	4,904	47	21	26	17	11	6	36	
Hudson	14,288	216	114	102	59	31	28	276	
Litchfield	4,199	78	38	40	11	5	6	11	
Lyndeborough	1,092	14	5	9	4	2	2	7	
Manchester	91,027	1,435	741	694	988	483	505	1,006	
Mason	817	12	5	7	3	1	2	11	
Merrimack	16,145	230	121	109	30	24	6	83	
Milford	8,850	152	81	71	69	31	38	80	
Mont Vernon	1,496	24	13	11	5	2	3	10	
Nashua	68,747	1,069	562	507	481	262	219	766	
New Boston	1,972	31	16	15	9	6	3	18	

TABLE 8 POPULATION, BIRTHS, DEATHS & MARRIAGES BY COUNTY/TOWN, AND DIVORCES BY COUNTY, NEW HAMPSHIRE, 1981

COUNTY & TOWN	ESTIMATED POPULATION[a]	RESIDENT BIRTHS TOTAL	MALE	FEMALE	RESIDENT DEATHS TOTAL	MALE	FEMALE	RECORDED MARRIAGES	RECORDED DIVORCES
Hillsboro(Contd)									
New Ipswich	2,484	78	38	40	16	9	7	16	
Pelham	8,324	117	61	56	38	18	20	152	
Peterborough	4,978	54	23	31	46	22	24	57	
Sharon	188	1	0	1	1	1	0	0	
Temple	716	12	8	4	6	4	2	12	
Weare	3,377	60	29	31	19	12	7	15	
Wilton	2,696	46	25	21	17	4	13	24	
Windsor	75	0	0	0	1	1	0	1	
MERRIMACK	99,580	1,400	734	666	866	454	412	985	601
Allenstown	4,561	111	68	43	35	21	14	40	
Andover	1,625	24	10	14	8	7	1	18	
Boscawen	3,449	58	35	23	29	11	18	22	
Bow	4,168	31	16	15	21	13	8	22	
Bradford	1,153	15	7	8	13	6	7	17	
Canterbury	1,459	22	12	10	7	3	4	10	
Chichester	1,525	27	14	13	10	7	3	34	
Concord	30,424	387	206	181	357	176	181	365	
Danbury	696	10	5	5	5	5	0	7	
Dunbarton	1,205	18	13	5	11	7	4	6	
Epsom	2,888	44	18	26	36	18	18	12	
Franklin	7,933	138	69	69	81	41	40	84	
Henniker	3,321	40	21	19	17	12	5	29	
Hill	765	7	4	3	4	3	1	9	
Hooksett	7,442	94	49	45	32	17	15	48	
Hopkinton	3,927	56	23	33	31	21	10	39	
Loudon	2,518	49	22	27	12	5	7	19	
Newbury	1,013	11	6	5	6	4	2	11	
New London	2,991	20	11	9	21	10	11	50	
Northfield	3,124	47	25	22	14	8	6	23	
Pembroke	4,900	53	32	21	29	13	16	28	
Pittsfield	2,912	53	29	24	33	18	15	30	
Salisbury	804	12	4	8	6	2	4	9	
Sutton	1,137	15	10	5	10	4	6	11	
Warner	2,006	33	15	18	20	12	8	23	
Webster	1,136	14	6	8	8	2	6	12	
Wilmot	742	11	4	7	10	8	2	7	
ROCKINGHAM	194,723	2,922	1,445	1,477	1,383	726	657	2,204	1,165
Atkinson	4,643	50	28	22	18	13	5	17	
Auburn	2,955	45	25	20	12	9	3	28	
Brentwood	2,048	25	15	10	58	20	38	14	
Candia	3,079	49	22	27	12	9	3	22	
Chester	2,060	32	16	16	14	10	4	15	
Danville	1,352	11	6	5	12	6	6	4	
Deerfield	2,062	41	19	22	12	4	8	13	
Derry	19,573	410	204	206	135	73	62	146	
East Kingston	1,159	11	7	4	4	3	1	6	
Epping	3,557	65	37	28	29	18	11	28	
Exeter	11,178	149	75	74	116	59	57	164	
Fremont	1,361	25	14	11	9	3	6	9	
Greenland	2,152	27	15	12	18	8	10	26	
Hampstead	3,917	50	22	28	25	12	13	35	
Hampton	10,692	139	64	75	88	40	48	123	
Hampton Falls	1,379	10	4	6	13	8	5	56	
Kensington	1,343	13	3	10	6	4	2	10	
Kingston	4,218	64	31	33	26	15	11	48	
Londonderry	14,890	254	143	111	48	31	17	104	
New Castle	934	3	0	3	10	7	3	12	
Newfields	816	5	4	1	6	2	4	6	
Newington	712	5	1	4	6	3	3	21	
Newmarket	4,359	52	23	29	29	14	15	24	
Newton	3,177	48	28	20	25	13	12	27	
North Hampton	3,435	39	18	21	26	9	17	43	
Northwood	2,232	34	15	19	17	10	7	18	
Nottingham	2,079	26	10	16	10	6	4	27	
Plaistow	5,671	58	30	28	25	10	15	89	
Portsmouth	26,280	440	211	229	221	107	114	389	
Raymond	5,726	110	55	55	53	34	19	41	
Rye	4,535	45	21	24	42	24	18	66	
Salem	24,389	311	142	169	154	82	72	379	
Sandown	2,281	40	17	23	9	6	3	13	

TABLE 8 POPULATION, BIRTHS, DEATHS & MARRIAGES BY COUNTY/TOWN, AND DIVORCES BY COUNTY, NEW HAMPSHIRE, 1981

COUNTY & TOWN	ESTIMATED POPULATION	RESIDENT BIRTHS			RESIDENT DEATHS			RECORDED MARRIAGES	RECORDED DIVORCES
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE		
Rockingham(Contd)									
Seabrook	6,254	85	40	45	55	33	22	124	
South Hampton	667	7	6	1	4	2	2	5	
Stratham	2,607	37	17	20	11	5	6	20	
Windham	5 970	107	57	50	25	14	11	32	
STRAFFORD	86,518	1,230	620	610	662	351	311	828	473
Barrington	4,774	83	50	33	25	10	15	41	
Dover	22,467	348	179	169	205	111	94	221	
Durham	10,780	40	21	19	31	17	14	98	
Farmington	4,709	92	31	61	45	24	21	32	
Lee	2,166	20	11	9	11	5	6	7	
Madbury	1,011	13	10	3	4	0	4	6	
Middleton	766	13	5	8	7	4	3	6	
Milton	2,484	36	18	18	14	10	4	30	
New Durham	1,258	13	8	5	10	8	2	8	
Rochester	21,819	342	176	166	227	114	113	234	
Rollinsford	2,321	26	16	10	5	5	0	15	
Somersworth	10,433	159	72	87	68	35	33	103	
Strafford	1,736	45	23	22	10	8	2	27	
SULLIVAN	36,424	500	250	250	366	209	157	382	231
Acworth	600	15	9	6	1	0	1	12	
Charlestown	4,510	58	31	27	35	19	16	37	
Claremont	14,572	207	101	106	172	98	74	159	
Cornish	1,397	22	13	9	9	5	4	22	
Croydon	461	8	6	2	1	0	1	4	
Goshen	562	12	5	7	2	2	0	7	
Grantham	744	10	4	6	7	4	3	5	
Langdon	441	3	0	3	5	3	2	5	
Lempster	667	8	4	4	2	1	1	5	
Newport	6,248	86	42	44	73	44	29	57	
Plainfield	1,782	25	11	14	12	6	6	17	
Springfield	555	6	2	4	6	4	2	3	
Sunapee	2,407	27	12	15	23	14	9	31	
Unity	1,128	9	6	3	13	6	7	12	
Washington	427	4	4	0	5	3	2	6	

* The 1981 state level population number is a provisional estimate made by the U.S.Bureau of the Census (Current Population Reports: Series P-25, No. 911, April 1982 "Population Estimates and Projections".) County level and town level estimates were calculated using varying rates of change implied by Census Bureau Provisional estimate at state level. Town estimates do not sum to county estimates. County estimates do not sum to state level estimate.

- NATALITY -

1981 resident live births totaled to 13,487 a decrease of 228 since 1980. The corresponding rate was 14.4 per 1,000 persons, down by 3.4 percent from the previous year's rate of 14.9. After an upward trend of several years, the state rate has declined. In comparison, the 1981 national rate continued to increase and was 15.9, 9.4 percent higher than the state rate.

As usual, a number of New Hampshire resident mothers gave birth outside of the state and out-of-state births amounted to 1,395 (10.3 percent). Most of these births (98 percent) took place in neighboring New England states, primarily Massachusetts (1,187) followed by Vermont (157) and Maine (29).

In the majority of live births, 37.0 percent, the mother was in the 20 to 29 year age group. Births to teen-age mothers (19 years or less) accounted for 10.4 percent of all births while the remaining 22.5 percent were to women at 30 years of age or over.

The number of births to teen-agers per 1,000 births continued to decrease, dropping from 107.0 in 1980 to 103.7 in 1981. Births to mothers aged 20-24 also declined, 320.4 in 1981 compared to 339.0 per 1,000 in 1980. Births in older mother age groups, 25-29, 30-34 and 35 and over increased. At the 30-34 age level for instance, the number per 1,000 live births climbed from 168.4 to 183.3, an increase of 8.0 percent. See Table 9 below.

TABLE 9 NUMBER OF RESIDENT BIRTHS AND NUMBER PER 1,000 BIRTHS ACCORDING TO AGE OF MOTHER, NEW HAMPSHIRE 1977-1981

YEAR	TOTAL LIVE BIRTHS	AGE OF MOTHER									
		19 & Under (Teenage)		20-24		25-29		30-34		35 & Over	
		No.	Per 1000	No.	Per 1000	No.	Per 1000	No.	Per 1000	No.	Per 1000
1977	12,074	1493	123.7	4106	340.1	4271	353.7	1763	146.0	441	36.5
1978	12,386	1504	121.4	4162	336.0	4268	344.6	1968	158.9	484	39.1
1979	12,829	1521	118.6	4219	328.9	4394	342.5	2144	167.1	551	42.9
1980	13,715	1467	107.0	4650	339.0	4756	346.8	2310	168.4	532	38.8
1981	13,487	1399	103.7	4322	320.4	4724	350.2	2473	183.3	569	42.1

The percentage of births which were first-borns increased again at the 30-34 mother age level, from 9.0 percent in 1980 to 9.6 percent in 1981. First-born births in which the mother was 35 and over also showed a percentage increase, though very slight, from 1.3 to 1.4 percent. 1981 marked the fifth year in a row that first-born percentages for ages 30-34 have risen and the second year of a higher percentage at age 35 and over. The trend toward delayed childbearing appears to be continuing. See Table 10.

TABLE 10 RESIDENT FIRST-BORN BIRTHS BY AGE OF MOTHER
NEW HAMPSHIRE, 1977-1981

AGE GROUP OF MOTHER	FIRST-BORN BIRTHS									
	1977		1978		1979		1980		1981	
	No.	%	No.	%	No.	%	No.	%	No.	%
19 or less (Teenage)	1222	23.2	1252	23.0	1244	21.9	1241	19.8	1220	19.9
20-24	2124	40.3	2143	39.4	2215	39.0	2502	39.9	2402	39.1
25-29	1495	28.4	1537	28.3	1679	29.6	1888	30.1	1844	30.0
30-34	379	7.2	451	8.3	486	8.6	567	9.0	590	9.6
35 & over	49	0.9	54	1.0	54	1.0	80	1.3	89	1.4
TOTAL:	5269	100%	5437	100%	5678	100%	6278	100%	6145	100%

The number and rate of births that were low birth-weight (which places the infant at relatively high risk for mortality and physical/neurological impairments) decreased. See Table 11. In 1981 there were 673 such infant births compared to 733 in 1980. The corresponding rates were 49.8 per 1,000 births in 1981 as against 53.4 in 1980. Since 1974 the low-birth weight rate has been in a general downward trend.

TABLE 11 RESIDENT LOW-BIRTH-WEIGHT[1.] RATES[2.] BY COUNTY
NEW HAMPSHIRE, 1977-1981

	LOW-BIRTH-WEIGHT, NO. & RATE									
	1977		1978		1979		1980		1981	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Belknap	35	61.3	33	56.6	36	54.6	44	63.4	24	38.8
Carroll	13	41.7	19	56.9	16	46.8	17	46.1	16	42.3
Cheshire	34	44.0	41	47.1	49	58.1	39	43.0	56	63.9
Coos	25	53.3	23	45.5	31	67.5	22	45.4	21	47.2
Grafton	53	68.1	44	54.7	38	48.8	41	46.0	41	45.7
Hillsborough	199	52.0	217	58.4	235	60.1	241	58.2	232	54.9
Merrimack	85	69.6	72	54.8	66	49.2	62	44.1	89	63.5
Rockingham	143	55.7	137	51.9	170	61.3	149	50.1	116	39.6
Strafford	68	62.2	66	56.4	80	65.0	80	60.2	46	37.3
Sullivan	32	69.6	39	85.7	40	80.8	38	73.8	32	64.0
STATE:	687	56.9	691	55.8	761	59.3	733	53.4	673	49.8

1. Low-birth-weight: Less than 2500 grams.
2. Per 1,000 live births in the specific county.

Out-of-wedlock births (with an increased risk of low-birth-weight newborns) have been increasing since 1960 both in absolute numbers and in the numbers per 1,000 live births and climbed again in 1981 to 1,541 and 114.2 per 1,000. In 1980 the number was 1,498 while the rate was 109.2. Table 12 displays out-of-wedlock birth rates by county for the past five years.

TABLE 12 NUMBER OF RESIDENT OUT-OF-WEDLOCK BIRTHS PER 1000 LIVE BIRTHS, BY COUNTY, NEW HAMPSHIRE, 1977-1981

	NO. OF OUT-OF-WEDLOCK BIRTHS & NO. PER 1000 LIVE BIRTHS*									
	1977		1978		1979		1980		1981	
	No.	Per 1000	No.	Per 1000	No.	Per 1000	No.	Per 1000	No.	Per 1000
Belknap	69	120.8	78	133.8	100	151.7	108	155.6	86	139.1
Carroll	30	96.2	30	89.8	32	93.6	37	100.3	42	111.1
Cheshire	74	95.8	91	104.5	92	109.0	104	114.5	117	133.5
Coos	48	102.3	49	96.8	53	115.5	60	123.7	58	130.6
Grafton	82	105.3	79	98.3	71	91.3	120	134.5	97	108.2
Hillsborough	325	84.8	337	90.8	393	100.6	449	108.4	475	112.4
Merrimack	109	89.2	138	105.0	141	105.1	149	105.9	165	117.8
Rockingham	153	59.6	184	69.7	194	70.0	236	79.3	268	91.7
Strafford	104	95.1	142	121.4	155	126.0	167	125.7	164	133.3
Sullivan	43	93.5	64	140.7	66	133.3	68	132.0	69	138.0
STATE	1037	85.8	1192	96.2	1297	101.1	1498	109.2	1541	114.2

* Per 1,000 live births in the specific county.

Among all out-of-wedlock births, the teen-mother age group accounted for the highest percentage of all out-of-wedlock births, 42.4, which represented a slight drop from 1980's 42.7 percent. Percentages at the 20-24 and 30-34 mother age level were also down but increased in the age group 25-29 from 14.0 to 14.8 and at age 35 and over, 1.4 to 1.8 percent, for 1981.

Among births to teens only, the proportion that were out-of-wedlock showed another increase in 1981, rising from 43.6 percent in 1980 to 46.7 percent. The out-of-wedlock percentage for teen mother births has climbed 39.4 percent since 1977. Percentages by county for 1981 appear in Table 13 below.

TABLE13 NUMBER AND PERCENT, RESIDENT BIRTHS TO TEEN MOTHERS ACCORDING TO MARITAL STATUS BY COUNTY, NEW HAMPSHIRE, 1981

Marital Status	All Teen-Mothers		- C O U N T Y -											
	No. Births	%	Belknap	Carroll	Cheshire	Coos	Grafton	Hillsboro	Merrimack	Rocking.	Strafford	Sullivan		
			No. %	No. %	No. %	No. %	No. %	No. %	No. %	No. %	No. %	No. %		
Married	746	53.3	40 -	22 -	47 45.2	25 -	51 -	225 52.8	75 53.7	136 55.5	83 53.9	42 -		
Not Married	653	46.7	38 -	17 -	57 54.8	28 -	38 -	201 47.2	65 46.3	109 44.5	71 46.1	29 -		
TOTAL	1399	100%	78 -	39 -	104 100%	53 -	89 -	426 100%	140 100%	245 100%	154 100%	71 -		

* % not calculated where there are less than 100 total cases in county.

Most 1981 resident births took place in hospitals located in New Hampshire or in other states, 13,203 but there were 189 recorded as at home within the state. The 1981 number of home births reflected a 25.2 percent increase over 151 in 1980, maintaining a general upward trend since 1975. There was also a higher number of resident births at a birthing center located in Concord, 81 for 1981 compared to 42 for 1980. (This facility began operating in 1980). See Table 14 below.

TABLE 14 NUMBER AND PERCENT, RESIDENT HOME BIRTHS AND HOSPITAL BIRTHS, NEW HAMPSHIRE, 1977-1981

LOCATION OF BIRTH	LIVE BIRTHS									
	1977		1978		1979		1980		1981	
	No.	%	No.	%	No.	%	No.	%	No.	%
At Home	82	0.7	122	1.0	157	1.2	151	1.1	189	1.4
In Hosp.	11988	99.3	12260	99.0	12663	98.8	13508	98.9	13203	98.6
TOTAL:	12070	100%	12382	100%	12820	100%	13659	100%	13392	100%

* All locations other than "At Home" and "In Hospital" have been excluded (Resident births at OB/GYN Birthing Center = 42 in 1980 and 81 in 1981).

TABLE 15 RESIDENT LIVE BIRTHS ACCORDING TO SELECTED CHARACTERISTICS BY COUNTY & TOWN OF MOTHER'S RESIDENCE, NEW HAMPSHIRE, 1981

	TOTAL	SEX MALE	SEX FEMALE	FIRST BORN	Under 2500 Grams	PLURAL BIRTH	COMP OF PREG- LER-8TH [1]	MOTHER UNDER AGE 20	NO PRE NATAL CARE	BORN IN HOSP [2]
BELKNAP										
ALTON	25	10	15	14	2	2	10	4		24
BARNSTEAD	37	16	21	11			7	3	1	35
BELMONT	56	27	29	30	1		14	7		56
CENTER HARBOR	16	6	10	10	1		3	1		15
GILFORD	45	22	23	16	1		8	2		45
GILMANTON	49	25	24	27	2		12	5	1	47
LACONIA	222	117	105	74	7	2	53	33	2	219
MEREDITH	62	39	23	31	1		18	12	1	52
NEW HAMPTON	15	7	8	10			4			15
SANBORNTON	29	13	16	12	2	2	6	2		25
TILTON	62	28	34	26	7	2	19	9	1	60
BELKNAP	616	310	308	261	24	8	154	78	6	603
CARROLL										
ALBANY	5	2	3	3			2	1		5
BARTLETT	18	9	9	10			4	1		18
BROOKFIELD	4	1	3	3				2		4
CHATHAM	2	2		1						2
CONWAY	104	51	53	51	3	2	42	8		102
EATON	2		2		1		1			2
EFF INGHAM	5	2	3	3			1			5
FREEDOM	10	4	6	4			2	1		9
JACKSON	5	3	2	3					1	5
MADISON	18	10	8	7	1		8	2		17
MOULTONBORO	24	10	14	12	3	2	11	2		23
OSSIPEE	42	21	21	22			20	9		42
SANDWICH	11	5	6	8	3	2	7	1		9
TAM WORTH	24	16	8	8		2	8	1		22
TUFTONBORO	15	8	7	6	1		1	1		14
WAKEFIELD	39	21	18	9	2		12	5		38
WOLFEBORO	50	29	21	20	2		16	5	1	47
CARROLL	378	194	184	170	16	8	135	39	2	364
CHESHIRE										
ALSTEAD	42	19	23	17	2		11	4		39
CHESTERFIELD	38	17	21	21	4		8	5		38
DUBLIN	19	11	8	9			9	2		17
FITZWILLIAM	24	15	9	14			8	2		24
GILSUM	6	5	1	3			4			5
MARLBOROUGH	13	7	6	7			8	1		12
MARLOW	43	26	17	19	1		10	4		43
JAFFREY	57	29	28	22	3	2	29	10		57
KEENE	261	133	128	124	18	4	79	30		237
MARLBOROUGH	39	18	21	18	3	2	14	7		37
MARLOW	14	7	7	7	3		8	4		13
NELSON	7	6	1	3	1		4			6
RICHMOND	6	5	1	3			2	1		6
RINDGE	75	42	33	26	2	2	31	7		75
ROXBURY	1	1								1
STODDARD	3	3		2			1			3
SULLIVAN	9	2	7	2			3			9
SURRY	12	6	6	5	1	2	2		1	11
SWANZEY	65	31	34	30	6		18	11		63
TROY	34	14	20	14	4		12	5		34
WALPOLE	34	17	17	11	1	2	9	2		33
WESTMORELAND	10	7	3	3		2	4			10
WINCHESTER	64	36	28	26	7	2	23	9		63
CHESHIRE	876	457	419	386	56	18	297	104	1	856
COOS										
BERLIN	154	79	75	64	6	2	53	17		153
CARROLL	8	6	2	4	1		4			8
CLARKSVILLE	3	2	1					1		3
COLE BROOK	48	28	20	17	5		16	7		47
COLUMBIA	4	1	3	1			2			3
DALTON	7	3	4	4			2	2		7
DUMMER	3	1	2	1						3
ERROL	5	3	2	3				1		5
GORHAM	33	21	12	19	1		16	2		33
JEFFERSON	5	2	3	2			1			5
LANCASTER	49	29	20	23	3		16	10		49
MILAN	13	8	5	6			5	2		13
NORTHUMBERLAND	38	14	24	16	2		11	5	1	38
PITTSBURG	13	5	8	6			6			13
RANDOLPH	3	1	2							2
SHELBURNE	5	5		2			1			5

TABLE 15 RESIDENT LIVE BIRTHS ACCORDING TO SELECTED CHARACTERISTICS BY COUNTY & TOWN OF MOTHER'S RESIDENCE, NEW HAMPSHIRE, 1981

	TOTAL	SEX MALE	SEX FEMALE	FIRST BORN	Under 2500 Grams	PLURAL BIRTH	COMP OF PREG-LER-BTH	MOTHER UNDER AGE 20	NO PRE NATAL CARE	BORN IN HOSP
STARK	7	6	1	5			1			7
STEWARTSTOWN	12	2	10	3			4			12
STRATFORD	13	8	5	7	3		5	3		13
WHITEFIELD	21	12	9	12			6	3		21
COOS	444	236	208	195	21	2	149	53	1	440
GRAFTON										
ALEXANDRIA	8	4	4	5	1		3			8
ASHLAND	41	20	21	16	7	2	16	8		41
BATH	10	6	4	3			4	1		10
BENTON	4	4		2			1	1		4
BETHLEHEM	32	18	13	10	2	2	14			32
BRIDGEWATER	6	4	2	3			2	2		5
BRISTOL	41	14	27	12	3	1	13	5		41
CAMPTON	42	25	17	22	2		14	3		42
CANAAN	33	20	13	12	3		10	3		33
CHOCORUA	6	3	3	3			3	1		6
EASTON	2	2		2						2
ENFIELD	63	39	24	35	5	2	25	4		62
FRANCONIA	14	7	7	8			8			12
GRAFTON	18	6	12	5			6			18
GROTON	3	1	2	2			1			3
HANOVER	45	21	24	27	1		18			45
HAVERHILL	43	24	19	19	2		16	12		43
HEBRON	3	1	2	1				1		3
HOLDERNESS	26	12	14	12			9	1		25
LANDAFF	2	1	1	2						2
LEBANON	167	91	76	83	7		69	22		157
LINCOLN	14	9	5	8	1		8			13
LISBON	21	9	12	9			7	4		21
LITTLETON	78	45	33	33	3	4	31	6		78
LYMAN	1		1							1
LYME	21	13	8	12			12	1		21
MONROE	10	4	6	2	1		3	1		10
ORANGE	3		3	1			1			3
ORFORD	12	6	6	8			6			12
PIERMONT	10	6	4	4			3			10
PLYMOUTH	48	22	26	27	2		15	5		47
RUMNEY	24	9	15	10	1		7			19
THORNTON	12	5	7	7			4	1		12
WARREN	10	6	4	8			4	3		10
WATERVILLE VALL	4	2	2	3						3
WENTWORTH	7	3	4	5			2	1		7
WOODSTOCK	12	4	8	7			8	3		12
GRAFTON	896	467	429	424	41	11	343	89		803
HILLSBOROUGH										
AMHERST	94	35	59	32	5	2	34	1		91
ANTRIM	38	23	15	17	4		16	3	1	38
BEDFORD	86	42	44	27	2		22	3		83
BENNINGTON	13	9	4	7	1		9	3		13
BROOKLINE	26	12	14	13	2		8	4		25
DEERING	14	6	8	4			1			11
FRANCESTOWN	8	6	2	5	1		3			6
GOFFSTOWN	145	76	69	60	4	5	45	9		141
GREENFIELD	21	15	6	9	1		16	2		21
GREENVILLE	29	16	13	13			12	4		27
HANCOCK	16	7	9	8	2	2	14	1		16
HILLSBORO	57	26	31	21	2	2	16	8		56
HOLLIS	47	21	26	18	3	4	12	2		47
HUDSON	216	114	102	86	9	6	76	12		214
LITCHFIELD	78	38	40	30	3		29	5		78
LYNDEBOROUGH	14	5	9	7			7			13
MANCHESTER	1435	741	694	681	101	26	438	183	12	1419
MASON	12	5	7	6			2			11
MERRIMACK	230	121	109	98	8	4	99	17		228
MILFORD	152	81	71	72	8		54	15		151
MONT VERNON	24	13	11	9	1		11	1	1	23
NASHUA	1069	562	507	503	56	24	392	118	3	1061
NEW BOSTON	31	16	15	9			6	3		30
NEW IPSWICH	78	38	40	24	7		31	8	1	72
PELHAM	117	61	56	60	5	2	28	8		117
PETERBOROUGH	54	23	31	26	2		27	7	1	51

TABLE 15 RESIDENT LIVE BIRTHS ACCORDING TO SELECTED CHARACTERISTICS BY COUNTY & TOWN OF MOTHER'S RESIDENCE, NEW HAMPSHIRE, 1981

	TOTAL	SEX MALE	SEX FEMALE	FIRST BORN	Under 2500 Grams	PLURAL BIRTH	COMP OF PREG-NUMBER	MOTHER UNDER AGE 20	NO PRE NATAL CARE	BORN IN HOSP 2.
SHARON	1		1	1			1			1
TEMPLE	12	8	4	7			5			12
WEARE	60	29	31	24	4	1	12	4		57
WILTON	46	25	21	23	1		21	5		44
HILLSBOROUGH	4223	2174	2049	1900	232	73	1647	426	19	4157
MERRIMACK										
ALLENSTOWN	111	68	43	47	6		22	10		104
ANDOVER	24	10	14	12	1		8	2		23
BOSCAWEN	56	35	23	24	5		9	9		57
BOW	31	16	15	13	1	2	4	2		30
BRADFORD	15	7	8	5	1		2	2		9
CANTERBURY	22	12	10	9	3	2	8	1	1	20
CHICHESTER	27	14	13	11	2		6	2		25
CONCORD	387	206	181	182	20	13	82	41	2	370
DANBURY	10	5	5	2	1		5			9
DUNBARTON	18	13	5	7			6			17
EPSOM	44	18	26	16	1		4	2	1	40
FRANKLIN	136	69	69	74	17	2	48	33		134
HENNIKER	40	21	19	13	1		8	2		39
HILL	7	4	3	2			3	1		6
HOOKSETT	94	49	45	44	6	2	29	7		92
HOPKINTON	56	23	33	23	2	4	12	2		49
LOUDON	49	22	27	16	4	2	10	5		47
NEWBURY	11	6	5	5			7	1		11
NEW LONDON	20	11	9	13	2		11			20
NORTHFIELD	47	25	22	19	1		8	4	1	44
PEMBROKE	53	32	21	16	7	4	15	4	1	50
PITTSFIELD	53	29	24	20	2		8	7	1	52
SALISBURY	12	4	8	3	1		2			11
SUTTON	15	10	5	6			7	1		13
WARNER	33	15	18	17	2	2	9	1		30
WEBSTER	14	6	8	3	1		5	1		13
WILMOT	11	4	7	3	2		6			11
MERRIMACK	1400	734	666	605	89	33	344	140	7	1326
ROCKINGHAM										
ATKINSON	50	28	22	21	5	1	15	2		50
AUBURN	45	25	20	24	2		13	4		44
BRENTWOOD	25	15	10	8	2	2	9	2		24
CANDIA	49	22	27	17	3	2	15	3		49
CHESTER	32	16	16	13			10	5		31
DANVILLE	11	6	5	5			4	1		11
DEERFIELD	41	19	22	19	2	2	14	1		39
DERRY	410	204	206	195	15	14	130	34	1	405
EAST KINGSTON	11	7	4	8	1		2	2		11
EPPING	65	37	28	24	2		25	5		63
EXETER	149	75	74	68	9	4	57	12	1	145
FREMONT	25	14	11	10	2		10	2		24
GREENLAND	27	15	12	12	1		9	1		26
HAMPSTEAD	50	22	28	30	1		11	4		50
HAMPTON	139	64	75	80	8		49	15		138
HAMPTON FALLS	10	4	6	5			4			10
KENSINGTON	13	3	10	4		2	8			13
KINGSTON	64	31	33	33	5		15	2	1	63
LONDONDERRY	254	143	111	121	10	4	71	10		251
NEW CASTLE	3		3	1			1			3
NEWFIELDS	5	4	1	4			1	1		5
NEWINGTON	5	1	4	3		2	3	1		5
NEWMARKET	52	23	29	28			26	9		51
NEWTON	48	28	20	21	3		18			48
NORTH HAMPTON	39	18	21	24			10	5		38
NORTHWOOD	34	15	19	14	1		9	3		31
NOTTINGHAM	26	10	16	12			10	2		26
PLAISTOW	58	30	28	29	1		18	5		58
PORTSMOUTH	440	211	229	206	15	8	123	47	1	435
RAYMOND	110	55	55	50	4	2	33	16		109
RYE	45	21	24	27	2		14	5		45
SALEM	311	142	169	152	17	7	63	20	2	310
SANDOWN	40	17	23	18	1		10	5		40
SEABROOK	85	40	45	46	3	4	17	16		84
SOUTH HAMPTON	7	6	1	3			1			7
STRATHAM	37	17	20	18		2	11			36
WINDHAM	107	57	50	39	6	3	29	5		101
ROCKINGHAM	2922	1445	1477	1390	116	59	868	245	6	2879

TABLE 15 RESIDENT LIVE BIRTHS ACCORDING TO SELECTED CHARACTERISTICS BY COUNTY & TOWN OF MOTHER'S RESIDENCE, NEW HAMPSHIRE, 1981

	TOTAL	SEX MALE	SEX FEMALE	FIRST BORN	Under 2500 Grams	PLURAL BIRTH	COMP OF PREG-LER-BTH [1]	MOTHER UNDER AGE 20	NO PRE NATAL CARE	BORN IN [2] HOSP
STRAFFORD										
BARRINGTON	83	50	33	31	3		26	5	1	79
DOVER	348	179	169	174	10	3	113	55	1	344
DURHAM	40	21	19	19			15	1		38
FARMINGTON	92	31	61	25	3		40	7	1	90
LEE	20	11	9	12			5	2		19
MADBURY	13	10	3	6	1		6	1		13
MIDDLETON	13	5	8	4	2	2	6	1		13
MILTON	36	18	18	15	3		12	7		36
NEW DURHAM	13	8	5	5			5			12
ROCHESTER	342	176	166	151	15		160	55	2	333
ROLLINSFORD	26	16	10	11	2		10	2		24
SOMERSWORTH	159	72	87	68	5		63	16		154
STRAFFORD	45	23	22	22	2		20	2		44
STRAFFORD	1230	620	610	543	46	5	481	154	5	1205
SULLIVAN										
ACWORTH	15	9	6	5			6	1	1	13
CHARLESTOWN	56	31	27	35	5		20	6		57
CLAREMONT	207	101	106	94	13	6	91	37	1	235
CORNISH	22	13	9	14	2		5	2		21
CROYDON	6	6	2	7	1		5	1		8
GOSHEN	12	5	7	6			7			11
GRANTHAM	10	4	6	4	1		4			10
LANGDON	3		3	1			1			3
LEMPSTER	8	4	4	6			4			8
NEWPORT	86	42	44	34	6		41	18		86
PLAINFIELD	25	11	14	14	3	2	12	1		25
SPRINGFIELD	6	2	4	3			2			5
SUNAPEE	27	12	15	16	1	2	17	3		27
UNITY	9	6	3	5			3	2		8
WASHINGTON	4	4		1			1			3
SULLIVAN	500	250	250	247	32	10	219	71	2	490
N H TOTAL	13467	6887	6600	6121	673	232	4437	1399	49	13203

1. Number of birth records with an entry(ies) in any of the following categories a) complications of pregnancy b) Concurrent illnesses or conditions affecting the pregnancy c) complications of labor and/or delivery d) congenital diseases, abnormalities or anomalies. These numbers include all conditions, from minor to serious.
2. Number born in a New Hampshire or Out-of-State Hospital only. Excludes born in birthing center, born on arrival, at home and other places of birth.

TABLE 16 RESIDENT LIVE BIRTHS ACCORDING TO COUNTY OF MOTHER'S RESIDENCE, BY HOSPITAL AND OTHER PLACES OF BIRTH, NEW HAMPSHIRE, 1981

PLACE OF BIRTH	COUNTY OF RESIDENCE										
	BELKNAP	CARROLL	CHESHIRE	COOS	GRAFTON	HILLSBOROUGH	MERRIMACK	ROCKINGHAM	STRAFFORD	SULLIVAN	STATE TOTAL
ALEXANDER EASTMAN HOSP	1	0	0	0	0	13	3	152	0	0	169
ALICE PECK DAY HOSPITAL	0	0	0	0	155	0	2	0	0	29	186
ANDROSCOGGIN VALLEY HOSP	0	0	0	198	0	1	0	0	0	0	199
CATH MED CENTER	0	1	0	0	1	568	53	69	1	0	693
CHESHIRE HOSPITAL	0	0	519	0	0	13	0	0	0	8	540
VALLEY REGIONAL HOSP	0	0	5	0	2	0	0	0	0	269	276
CONCORD HOSPITAL	109	8	1	0	38	296	963	104	11	10	1540
COTTAGE HOSPITAL	0	0	0	0	61	0	0	0	0	0	61
ELLIOT HOSPITAL	3	0	0	1	0	893	68	257	2	0	1224
EXETER HOSPITAL	0	0	0	0	0	6	1	674	53	0	734
FRANKLIN HOSPITAL	16	0	0	0	3	0	71	0	0	0	90
FRISBIE MEMORIAL HOSP	12	29	0	0	0	0	1	12	328	0	374
HUGGINS HOSPITAL	9	67	0	0	0	0	0	0	14	0	90
LAKES REGION HOSPITAL	438	62	0	0	114	0	48	0	0	0	662
LITTLETON HOSPITAL	0	1	0	41	157	0	0	0	0	0	199
MARY HITCHCOCK HOSPITAL	3	4	10	6	242	25	32	6	11	85	424
MEMORIAL HOSPITAL*CONWAY	9	151	0	0	0	0	0	0	0	0	151
MONADNOCK COMMUNITY HOSP	0	0	182	0	0	258	0	0	0	0	440
MEMORIAL HOSPITAL*NASHUA	0	0	2	0	0	72	1	133	0	0	1208
NEW LONDON HOSPITAL	0	0	0	0	4	1	62	1	0	49	117
NEWPORT HOSPITAL	0	0	0	0	0	0	0	0	0	1	1
U.S.A.F. PEASE HOSPITAL	0	1	1	1	2	7	1	231	84	0	328
PORTSMOUTH HOSPITAL	1	1	0	0	0	0	1	286	57	0	346
ST JOSEPH HOSPITAL	0	0	0	0	0	728	2	70	1	0	801
SCEVA SPEARE HOSPITAL	2	0	0	0	66	0	1	0	0	0	71
UPPER CONN VALLEY HOSP	0	0	0	40	0	0	0	0	0	0	40
WEEKS MEMORIAL HOSPITAL	0	0	0	140	5	0	0	0	0	0	145
WENTWORTH DOUGLASS HOSP	5	7	0	1	0	0	1	52	635	0	701
OB/GYN BIRTH PROF ASSOC	2	3	1	0	4	14	44	9	3	1	81
BGA	1	0	0	0	0	3	0	1	0	0	5
DOCTOR'S OFFICE	0	0	0	0	0	0	0	1	0	0	1
STREET ADDRESS	0	1	2	0	0	0	3	2	0	0	8
AT HOME	12	10	17	4	9	49	27	38	22	9	189
OUT OF STATE	4	32	136	12	31	276	15	832	16	39	1393
*** TOTAL ***	618	378	876	444	896	4223	1400	2922	1230	300	13487

TABLE 17 OCCURRENCES OF LIVE BIRTHS & FETAL, NEONATAL & INFANT DEATHS BY HOSPITAL AND OTHER PLACES OF OCCURRENCE, NEW HAMPSHIRE, 1981

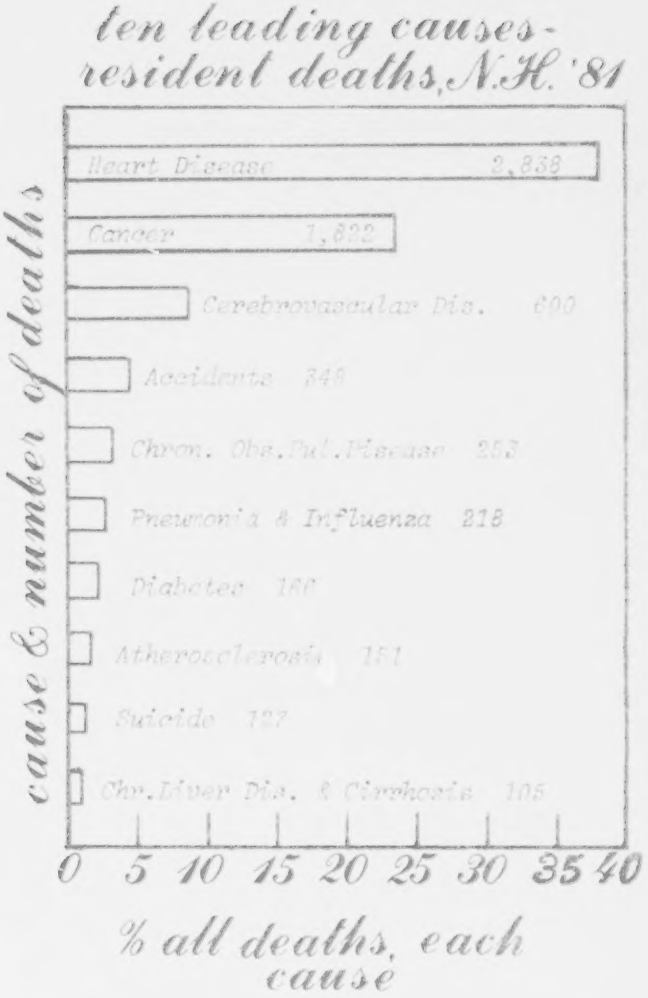
Hospital and Other Places Occurrence	No. Live Births	No. Fetal Deaths	No. Neonatal Deaths	No. Infant Deaths
Alexander Eastman	171	2	1	1
Alice Peck Day Memorial	327	0	1	1
Androscoggin Valley	203	0	1	1
Catholic Medical Center	694	4	4	6
Cheshire	559	3	2	3
Concord	1,546	12	1	2
Cottage	104	1	0	0
Elliot	1,231	14	8	11
Exeter	816	4	1	2
Franklin Regional	90	0	0	0
Frisbie Memorial	436	1	1	1
Huggins	94	0	0	0
Lakes Region General	663	2	4	4
Littleton	220	2	0	1
Mary Hitchcock Memorial	826	13	30	36
Memorial, No. Conway	169	0	1	1
Monadnock Community	446	3	5	5
Nashua Memorial	1,273	7	7	12
New London	115	0	0	0
Newport	1	1	0	0
Pease AFB	460	3	1	1
Portsmouth	603	8	3	4
St. Joseph's	863	2	5	6
Sceva Speare	71	0	0	0
Upper Connecticut Valley	49	0	0	0
Valley Regional	339	2	0	1
Weeks Memorial	173	1	1	2
Wentworth-Douglass	885	9	3	9
OB/GYN Birthing Center	82	0	0	0
At Home	191	1	0	11
All Other	17	1	0	3
TOTAL:	13,717	96	80	124

Resident deaths numbered 7,662 in 1981, reflecting a small increase of 68 over 1980. The corresponding 1981 rate however, showed no change and remained the same as in 1980, 8.2 per 1,000 population.

The 1981 state rate was 6.1 percent lower than the U.S. rate of 8.7. (The national rate also showed no change between 1980 and 1981).

Just under 90 percent of all resident deaths took place within New Hampshire (6,837 out of 7,658). Of 821 resident deaths occurring in other states, the majority (59.4 percent or 488) were in Massachusetts, followed by 76 in Vermont and 40 in Maine.

Male deaths characteristically outnumbered female deaths, 4,041 to 3,621 and males were generally younger than females at the time of death with a median age of 70.4 years compared to 77.7 years. The median age at death for all persons regardless of sex or cause was 73.5 years, the same median age as in 1980.


ten leading causes - resident deaths, N.H. '81
Heart Disease 2,838
Cancer 1,822
Cerebrovascular Dis. 600
Accidents 348
Chron. Obs. Pul. Disease 253
Pneumonia & Influenza 218
Diabetes 160
Atherosclerosis 151
Suicide 127
Chr. Liver Dis. & Cirrhosis 105
cause & number of deaths
0 5 10 15 20 25 30 35 40
% all deaths, each cause

The Ten Leading Causes of Death

The ten causes of death that have dominated resident mortality for many years continued to do so in 1981. Ranking again as the top three causes were Diseases of the Heart, Malignant Neoplasms and Cerebrovascular Disease. Placing fourth, fifth and sixth once more were Accidents, Chronic Obstructive Pulmonary Disease and Influenza-Pneumonia. Among the four remaining causes, there were positional shifts. Diabetes mellitus was in seventh place in 1981 compared to ninth place in 1980. Eighth in number was Atherosclerosis which dropped from the seventh position in 1980. Suicide was the ninth most frequent cause as against the tenth last year. Chronic Liver Disease and Cirrhosis ranked last among the ten leaders after having been eighth in 1980. See Table 18 .

All told, the ten leading causes of resident death accounted for 86.5 percent of all resident mortality during 1981.

* *Causes of death classified using ACME, an automated system. See introduction.*

TABLE 18 RESIDENT DEATH RATES FOR THE TEN LEADING CAUSES OF DEATH & PERCENT CHANGE, NEW HAMPSHIRE, 1980-1981

Leading Causes of Death With ICD9 Code Number	N.H. Rank 1981	N.H.Rate[1.] 1980	1981	% Change '80-81-NH	'81 US[2.] Rate(Rank)	% Dif. NH vs U.S.'81 Rates
Diseases of the Heart (390-398,402,404-429)	1	311.8	303.2	- 2.8	331.7(1)	- 8.6
Malignant Neoplasms (140-208)	2	189.5	194.6	+ 2.7	184.9(2)	+ 5.2
Cerebrovascular Diseases (430-438)	3	67.4	64.1	- 4.9	71.7(3)	-10.6
All Accidents (E800-E949)	4	34.7	37.1	+ 6.9	44.0(4)	-15.7
Chronic Obstruct.Pulmonary Disease & Allied Cond. (490-496)	5	27.3	27.0	- 1.1	26.4(5)	+ 2.3
Pneumonia & Influenza (480-487)	6	27.2	23.2	-14.7	24.3(6)	- 4.5
Diabetes Mellitus (250)	7	12.6	17.7	+40.5	14.9(7)	+18.8
Atherosclerosis (440)	8	18.2	16.1	-11.5	12.8(9)	+25.8
Suicide (E960-E978)	9	10.8	13.5	+25.0	11.5(10)	+17.4
Chronic Liver Dis. & Cirrhosis (571)	10	13.2	11.2	-15.2	13.1(8)	-14.5

1. Per 100,000 population
2. National Center for Health Statistics, 1981 provisional rates per 100,000 population.

LEADING CAUSES OF DEATH IN AGE GROUPS

1981 causes of death by age groups continued to reflect an important difference in the mortality categories that accounted for leading causes. At 35 years of age and over, the major chronic diseases, heart disease and cancer were responsible for most mortality. Below the age of 35, accidents dominated among causes of death.

In comparison with 1980, there was one change in leading cause: Malignant Neoplasms supplanted Diseases of the Heart as the major cause of death in the age group 55 to 64. See Table 19 below.

TABLE 19 LEADING CAUSE OF RESIDENT DEATH IN AGE GROUP BY SEX, NEW HAMPSHIRE, 1981

Age Group	Leading Cause of Death with ICD 9 Code No.	% of All Deaths in Age Group	- S E X - Male No.	Fem. No.	M & F No.	No.Deaths All Causes M & F
Under 1 Yr.	Certain conditions originating in Perinatal Period (760-779)	40.2	27	26	53	132
1-14	All Accidents (E800-E949)	40.9	16	11	27	66
15-24	All Accidents (E800-E949)	54.9	62	17	79	144
25-34	All Accidents (E800-E949)	32.4	35	9	44	136
35-44	Malignant Neoplasms (140-208)	24.9	18	32	50	201
45-54	Dis.of the Heart (390-398,402,404-429)	34.7	120	34	154	444
55-64	Malignant Neoplasms (140-208)	41.9	258	201	459	1,095
65-74	Dis.of the Heart(390-398,402,404-429)	41.6	469	293	762	1,832
75 & over	Dis.of the Heart(390-398,402,404-429)	42.2	615	908	1523	3,612
All Ages	Dis.of the Heart	37.0	1502	1336	2838	7,662

Major Cardiovascular Disease

The 1981 leading cause of death among New Hampshirites, Diseases of the Heart, accounted for a total of 2,838 resident deaths. The corresponding rate was 303.2 per 100,000 persons, down 2.8 percent in comparison with the 1980 rate of 311.8. The state rate was also 8.6 percent less than the national rate of 331.7.

The majority of heart disease deaths was male, 52.9 percent, as opposed to 47.1 percent female. Males generally continued to die at younger ages than females from heart disease. The male median age at death was 72 years while the female age was 80.4 median years. These median ages for males and females were just slightly higher than those in 1980. For all heart disease deaths, the median age at death was 75.6 years compared to 75.4 years in 1980.

The largest component of Diseases of the Heart mortality over the years, ischemic heart disease, was responsible for 78.8 percent of all resident heart disease mortality. Acute Myocardial Infarction (one acute form of ischemic disease) alone accounted for 47.2 percent of the total mortality from Diseases of the Heart. More males than females succumbed to this malady, 797 to 542. The male median age at death was 71.7 and the female, 80.4 years. For both sexes combined, 75.2 years was the median which was 3.3 years above the median age in 1980.

Table 20 below presents Diseases of the Heart death rates by county for 1977 to 1981.

TABLE 20 RESIDENT DEATH RATES[1] FOR DISEASES OF THE HEART[2]
BY COUNTY, NEW HAMPSHIRE, 1977-1981

COUNTY	- YEAR AND RATE -				
	1977	1978	1979	1980	1981
Belknap	402.6	381.7	374.4	389.4	368.0
Carroll	423.2	285.3	458.6	379.5	416.7
Cheshire	347.7	338.9	343.1	301.0	343.6
Coos	422.1	384.2	378.4	378.4	364.1
Grafton	374.6	315.4	297.5	290.2	318.3
Hillsborough	277.3	274.6	303.0	293.9	279.6
Merrimack	338.9	346.2	379.1	358.0	317.3
Rockingham	247.0	266.1	256.5	276.8	261.9
Strafford	286.4	306.8	318.5	325.4	282.0
Sullivan	445.8	338.2	364.9	321.6	400.8
STATE:	312.5	303.0	318.7	311.8	303.2

1. Per 100,000 population in the specific county.
2. 1977-1978: ICD8: 390-398, 402, 404, 410-429. 1979-1981: ICD9: 390-398, 402, 404-429. Estimated comparability ratio: 1.01, National Center for Health Statistics, 1980.

Cerebrovascular diseases, another category of major cardiovascular disorders and the third leading cause of resident death in 1981 claimed 600 lives, 7.8 percent of all resident deaths. The cause specific rate was 64.1 per 100,000 population and was 4.9 percent below the 1980 rate of 67.4. It was also lower than the 1981 national rate of 71.7. Unlike heart disease, cerebrovascular disease deaths were largely female, 359 to 241 male and generally females were older than males at deatn, 82.9 median years of age as against 76.8 median years. The median age of all persons at death from cerebrovascular diseases was 80.3 years, very slightly less than the 1980 median age of 80.7.

MALIGNANT NEOPLASMS

During 1981, 23.8 percent (1,822) of all resident mortality was attributed to Malignant Neoplasms and cancer remained the second leading cause of death statewide. The rate was 194.6 per 100,000 persons which was 2.7 percent higher than the 1980 state rate of 189.5. It was also higher than the 1981 U.S. rate of 184.9 by 5.2 percent. The New Hampshire rate remains higher than the national rate as it has been since 1950.

Cancer resident death rates by county for 1977 to 1981 are shown in Table 21 below.

TABLE 21 RESIDENT DEATH RATES[1] FOR CANCER[2] BY COUNTY, NEW HAMPSHIRE, 1977-1981

COUNTY	- YEAR AND RATE -				
	1977	1978	1979	1980	1981
Belknap	168.4	193.4	281.0	216.8	208.0
Carroll	186.7	290.2	225.5	229.1	267.3
Cheshire	192.8	227.0	207.5	223.7	205.2
Coos	252.1	242.9	234.8	221.9	230.4
Grafton	216.2	205.9	201.6	179.3	219.2
Hillsborough	195.8	195.4	193.9	182.9	183.0
Merrimack	198.4	220.4	206.9	197.3	218.9
Rockingham	146.1	147.2	161.4	160.2	165.3
Strafford	186.0	176.3	202.3	203.7	179.1
Sullivan	180.7	220.6	192.8	205.1	244.3
STATE:	186.5	194.8	194.5	189.5	194.6

1. Per 100,000 population in the specific county.
2. 1977-1978: ICD8: 140-208. 1979-1981: ICD9: 140-209. Estimated comparability ratio: 1.00, National Center for Health Statistics, 1980.

More males (992) than females (830) died from Malignant Neoplasms. At death the median age for males was 68.9 years and for females 69.2 years. For all cancer mortality, the median age was 69.0 years, which was lower than the 1980 median age of 69.9.

Table 22 below presents differences and similarities between males and females in cancer mortality according to sites of malignancy. In 1981, cancer of the trachea, bronchus and lung accounted for the highest percentage of male deaths, 33.4 as against 30.4 percent last year. For females breast cancer was the leader, 18.3 percent, down slightly from 1980's 18.6 percent. For some sites, the pancreas and liver for example, there was little sex difference.

On an over-all basis regardless of sex, cancer of the trachea, bronchus and lung was responsible for the highest percentage of cancer mortality, 24.8 percent, which was above the 1980 percentage of 23.1.

TABLE 22 RESIDENT DEATHS DUE TO CANCER ACCORDING TO SELECTED SITES OF MALIGNANCY, BY SEX, NEW HAMPSHIRE, 1981

Site of Malignancy and ICD9 Code Number	- S E X -					
	Male		Female		Total	
	No.	%	No.	%	No.	%
DIGESTIVE ORGANS						
Esophagus (150)	32	3.2	15	1.8	47	2.6
Gall Bladder & Bile Duct (156)	10	1.0	6	0.7	16	0.9
Large Intest.(colon) (153)	93	9.4	115	13.9	208	11.4
Liver & Intra Hep B.D. (155)	13	1.3	12	1.4	25	1.4
Pancreas (157)	52	5.2	44	5.3	96	5.3
Rectum (154)	24	2.4	17	2.0	41	2.3
Stomach (151)	37	3.7	20	2.4	57	3.1
GENITAL ORGANS						
Breast (174-175)	1	0.1	152	18.3	153	8.4
Ovary (183)	-	-	55	6.6	55	3.0
Prostate (185)	99	10.0	-	-	99	5.4
Uterus (179-182)	-	-	48	5.8	48	2.6
RESPIRATORY ORGANS						
Larynx (161)	9	0.9	3	0.4	12	0.7
Trachea,Bronchus & Lung (162)	331	33.4	121	14.6	452	24.8
URINARY ORGANS						
Bladder (188)	35	3.5	14	1.7	49	2.7
Kidney & Other & Unspec. (189)	27	2.7	13	1.6	40	2.2
OTHER SITES						
Brain & Nervous Sys. (191-192)	10	1.0	14	1.7	24	1.3
Lymph & Hemato:						
Leukemias (204-208)	40	4.0	25	3.0	65	3.6
All Others (202-203)	51	5.1	34	4.1	85	4.7
Pharynx (146-149)	10	1.0	4	0.5	14	0.8
Skin (172-173)	12	1.2	12	1.4	24	1.3
REMAINING SITES						
Remainder of 140-209	106	10.7	106	12.8	212	11.6
TOTAL	992	100.0%	830	100.0%	1822	100.0%

ACCIDENTS

Accidents, the fourth leading cause of all resident mortality, accounted for 348 deaths in 1981 and was the number one cause of death among persons aged 1 to 34 years. The 1981 rate of 37.4 per 100,000 population was higher than the 1980 state rate of 34.7 but was less than the 1981 U.S. rate of 44.0 by 15.7 percent.

In 1981, the majority of all accidental deaths did not involve motor vehicles (unlike the previous five years of 1976 to 1980) and numbered 197 in comparison with 151 for motor vehicle. These non-motor vehicle accidents were responsible for 56.6 percent of all accident mortality and males outnumbered females in these cases, 121 to 76. There was a considerable difference between the sexes in median age at death which was 51.8 years for males in contrast to 80.5 for females. Accidental falls were the largest single source of non-motor vehicle accident mortality, accounting for 66 deaths.

Motor vehicle accident deaths amounted to 43.4 percent (151) of the accidental death total. Males outnumbered females, 109 to 42 (as they did in non-motor vehicle) and victims were most frequently aged 20 to 24 years (the modal age). The median age at death for all persons however, was 25.4 years. See Table 23 below.

TABLE 23 TYPE OF RESIDENT ACCIDENTAL DEATHS BY SEX, NEW HAMPSHIRE, 1981

Type of Accident	- SEX - Male No.	Female No.	M & F No.
Motor Vehicle only	109	42	151
Non-Motor Vehicle:	121	76	197
Falls	36	30	66
Fire & Flames	8	11	19
Drowning	13	1	14
Industrial	5	4	9
Poisoning	6	5	11
Air/Space Transport	3	1	4
Asphyxia(Food/Object Inhalation)	3	7	10
Firearms	5	0	5
Electrocution	1	0	1
All Other	41	17	58
TOTAL	230	118	348

At the national level it has been shown that motor vehicle accident mortality has been higher in rural than in urban areas.* In New Hampshire as Table 24 below shows, the two most rural counties in terms of the 1980 percentage of rural population, Carroll and Coos, reflect the highest five-year average motor vehicle death rates (1977-1981). However, Sullivan County had the third highest five year death rate although it was eighth in 1980 rural population percentage.

For all other accident mortality, Coos County was again high in relation to five year average death rates and in fact ranked first among counties with 26.5 deaths per 100,000 population. Sullivan County also placed high with the second highest 5 year average mortality rate, 21.8.

In the category of all accidents combined, Carroll, Coos and Sullivan Counties were again prominent with the three highest average mortality rates, 51.8, 51.2 and 44.2 per 100,000 persons. See Table 24 below.

TABLE 24 RANK ORDER OF COUNTIES ACCORDING TO PERCENT 1980 RURAL POPULATION WITH FIVE YEAR AVERAGE RESIDENT DEATH RATES FOR ACCIDENTS 1977-1981, NEW HAMPSHIRE

Counties in Rank Order, High to Low	1980 Population Classified Rural[2] No.	Tot.Pop.	5 Year Average Numbers and Rates, 1977-1981- Motor Vehicle No.	Rate	All Other Acc. No.	Rate	All Accidents No.	Rate
Carroll	27,931	100.0	8.2	31.0	5.6	20.8	13.8	51.8
Coos	22,061	62.8	8.8	24.7	9.4	26.5	18.2	51.2
Cheshire	37,983	61.1	12.2	20.3	10.4	16.9	22.6	36.9
Belknap	26,076	60.8	7.2	17.3	8.8	21.2	16.0	38.7
Grafton	39,703	60.3	8.6	15.1	13.4	23.9	23.2	38.2
Rockingham	108,586	57.0	40.2	23.7	30.2	16.2	70.4	37.9
Merrimack	51,295	52.2	18.2	19.2	19.4	20.5	37.6	39.7
Sullivan	17,118	47.5	7.4	22.4	7.6	21.8	15.4	44.2
Hillsborough	91,650	33.1	37.2	13.8	40.4	15.0	77.6	28.8
Strafford	17,380	20.9	5.6	18.6	13.0	15.3	28.6	33.4
STATE:	440,285	47.8	165.2	18.5	158.2	17.6	323.4	36.1

1. Rate per 100,000 population in the specific county.
2. Rural as defined by U.S.Bureau of the Census, 1980 count of population.

* *Health-United States-1981, U.S.Dept.Health and Human Services, DHHS Pub.No. (PHS) 82-1232.*

TABLE 25 NUMBER OF RESIDENT DEATHS[1] FOR 25 SELECTED CAUSES OF DEATH WITH ICD9 CODE NO.[2] BY COUNTY & SELECTED LOCATIONS, NEW HAMPSHIRE, 1981

	TOTAL DEATHS	Certain Intestinal Infections (007-009)	Tuberculosis (010-018)	Septicemia (038)	Malignant Neoplasms (140-208)	Diabetes Mellitus (250)	Anemias (280-285)	Diseases of the Heart (390-398,402,404-429)	Hypertension (401,403)	Cerebrovascular Disease (430-438)	Atherosclerosis (440)	Pneumonia & Influenza (480-487)	Chronic Obstructive Pulmonary Disease (490-496)	Ulcer, Stomach & Duodenum (531-533)	Hernia & Intestinal Obstruction (550-553, 560)	Chronic Liver Disease & Cirrhosis (571)	Nephritis; Nephrotic Syndrome, Nephrosis (580-589)	Infections of Kidney (590)	Maternal Causes (630-676)	Congenital Anomalies (740-759)	Conditions in Early Infancy (760-779)	Symptoms, Signs, Ill Defined Conditions (780-799)	Motor Vehicle Accidents (E810-E825)	All Other Accidents (E800-E807, E826-E949)	Suicide (E950-E959)	Homicide (E960-E978 and Legal Intervention	All Other Causes
GRAND TOTAL:	7,662	2	2	33	1822	166	13	2838	22	600	151	218	253	24	20	105	55	5	0	55	53	56	151	197	127	25	669
BELKNAP COUNTY	433	0	0	2	91	7	0	161	2	34	21	14	18	1	1	9	3	0	0	3	2	1	7	11	7	0	38
Alton	27	0	0	0	7	0	0	11	0		3			0	0	0		0	0	0	0	0	0			0	2
Belmont	28	0	0	0	10	0	0	8	0						0	3	0	0	0		0	0				0	1
Gilford	36	0	0	0	7		0	18					0			0	0	0	0		0	0				0	2
Laconia-Lakeport	176	0	0		33	0	0	56		15	14	6	5			3		0	0				3	8	4	0	22
Meredith	64	0	0		15		0	32		5		0	6	0		0		0	0	0			0	0	0	0	2
Tilton	45	0	0		8		0	17	0	6				0	0	0	0	0	0	0			0	0	0	0	6
Remainder of County	57	0	0	1	11	2	0	19	0	6	0	2	4	0	0	3	0	0	0	2	1	0	1	1	1	0	3
CARROLL COUNTY	309	1	0	2	77	7	0	120	1	23	5	5	6	1	0	6	2	0	0	4	2	1	6	7	4	3	26
Conway	71		0		19		0	21		7		0	3	0	0			0	0	3	0	0		3	0		6
Ossipee	37		0		9		0	14			0				0			0	0		0	0				0	4
Wakefield	29		0		11		0	9							0			0	0		0	0					1
Wolfeboro	52	0	0	0	10		0	22	0	4					0		0	0	0		0	0	5				3
Remainder of County	120	0	0		28		0	54	0	7	1	3	2	0	0	2	1	0	0	0	2	1	0	2	2	0	12
CHESHIRE COUNTY	556	0	0	1	129	9	0	216	3	35	13	20	26	1	3	3	3	0	0	3	3	5	13	14	11	2	43
Chesterfield	14	0	0	0	3	0	0	8	0	0		0	0	0	0	0		0	0	0	0	0	0	0	0	0	2
Hinsdale	29	0	0	0	6		0	12				0	3	0	0	0		0	0		0		0	0		0	2
Jaffrey	48	0	0		12		0	13		8	3			0	0	0	0	0	0		0						5
Keene	209	0	0		45	5	0	95		13	4	9	9	0				0	0				3	3	3		13
Swanzey	48	0	0		14	0	0	17	0				4	0			0	0	0	0		0					2
Walpole	24	0	0	0	6	0	0	12	0		0	0		0		0	0	0	0	0				0	0	0	2
Winchester	22	0	0	0	4		0	4	0		0			0	0		0	0	0	0	0	0			0	1	5
Remainder of County	162	0	0	0	39	2	0	55	1	10	4	6	6	1	1	1	1	0	0	2	2	2	7	5	5	0	12
COOS COUNTY	346	0	0	2	81	8	0	128	0	27	6	6	10	0	1	5	5	0	0	2	3	4	5	9	4	2	38
Berlin	138	0	0		35	5	0	46	0	7	4	3	6	0	0			0	0	0				3			19
Colebrook	29	0	0		9	0	0	10	0		0	0		0	0	0		0	0	0							1
Gorham	33	0	0		11		0	13	0		0			0	0		0	0	0		0		0				1
Lancaster	45	0	0	0	10		0	18	0	5	0		0	0	0	0		0	0		0	0	0	3	0	0	5
Northumberland	20	0	0	0	3		0	7	0	4	0		0	0	0			0	0			0			0	0	2
Remainder of County	81	0	0	1	13	2	0	34	0	8	2	2	1	0	1	2	0	0	0	0	0	0	1	1	2	1	10

TABLE 25 NUMBER OF RESIDENT DEATHS[1] FOR 25 SELECTED CAUSES OF DEATH WITH ICD9 CODE NO.[2] BY COUNTY & SELECTED LOCATIONS, NEW HAMPSHIRE, 1981

	TOTAL DEATHS	Certain Intestinal Infections (007-009)	Tuberculosis (010-018)	Septicemia (038)	Malignant Neoplasms (140-208)	Diabetes Mellitus (250)	Anemias (280-285)	Diseases of the Heart (390-398,402, 404-429)	Hypertension (401, 403)	Cerebrovascular Disease (430-438)	Atherosclerosis (440)	Pneumonia & Influenza (480-487)	Chronic Obstructive Pulmonary Disease (490-496)	Ulcer,Stomach & Duodenum (531-533)	Hernia & Intestinal Obstruction (550-553, 560)	Chronic Liver Disease & Cirrhosis (571)	Nephritis; Nephrotic Syndrome, Nephrosis(580-589)	Infections of Kidney(590)	Maternal Causes (630-676)	Congenital Anomalies (740-759)	Conditions in Early Infancy (760-779)	Symptoms, Signs, Ill Defined Conditions(780-799)	Motor Vehicle Accidents (E810-E825)	All Other Accidents (E800-E807, E826-E949)	Suicide (E950-E959)	Homicide (E960-E978 and Legal Intervention	All Other Causes
GRAFTON COUNTY	610	0	0	0	146	20	0	212	1	41	12	13	23	3	2	9	2	1	0	5	3	2	14	24	5	1	71
Ashland	19	0	0	0	5		0	8	0			0	0	0	0	0	0		0	0	0	0			0	0	0
Enfield	22	0	0	0	5		0	9	0		0	0		0	0	0	0		0	0	0	0			0	0	3
Hanover	48	0	0	0	11		0	15	0		3				0	0	0		0		0				0	0	5
Haverhill	49	0	0	0	11	4	0	18	0	4			3	0	0		0	C	0	0	0		0			0	4
Lebanon	95	0	0	0	15	4	0	36	0	9	3		4		0			0	0	0				4		0	12
Littleton	73	0	0	0	18	3	0	26	0	4		0		0	0	3		0	0			0			0	0	12
Plymouth	31	0	0	0	8	0	0	10	0	2	0	0			0			0	0			0			0	0	4
Remainder of County	273	0	0	0	73	6	0	90	1	19	1	8	10	0	2	4	1	0	0	3	2	0	7	11	3	1	31
HILLSBOROUGH COUNTY	2,131	1	1	12	514	38	6	785	6	177	54	56	66	6	3	35	14	1	0	18	16	25	29	41	46	6	175
Amherst	35	0	0	2	11	0	0	6	0		0			0	1	0	0	0	0	0		0				0	4
Antrim	17		0	0			0	5	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Bedford	76		0	0	17		0	30	0	7	4	4	0	0	0		0	0	0	0	0					0	4
Goffstown	85		0	0	19	0	0	25	0	9	5		4	0		0	0	0	0	0				0	5	0	13
Hillsborough	40	0	0	0	7			17	0	3	0	0		0	0	0		0	0	0	0	0				0	4
Hollis	17	0	0	0		0		7	0		0			0	0	0	0		0			0			0	0	1
Hudson	59	0	0	0	16	0		22	0	3	0			0	0				0	0							6
Manchester	988	0		6	219	21	4	360	3	100	30	23	35	5	0	20	7		0	8	7	8	8	22	11		88
Merrimack	30	0		0	10	0	0	12	0		0	0		0	0	0	0	0	0		0	0		0		0	0
Milford	69	0			23		0	23	0	5		6		0		0		0	0	0	0	0	0				2
Nashua	481	0	0		124	6	0	199		25	6	17	13			11	2	0	0	5	3	13	4	7	12		26
Pelham	38	0	0		9	0	0	14	0			0	0		0		0	0	0	0	0	0					4
Peterborough	46	0	0	0	14		0	14		5		0	•		0	0	0	0	0	0	0	0		0		0	6
Weare	19	0	0	0	9	0	0	5			0	0		0	0	0	0	0	0	0		0		0	0	0	0
Wilton	17	0	0	0	3		0	7	0			0	0	0	0	0		0	0		0	0		0	0	0	1
Remainder of County	114	0	0	0	28	2	1	39	0	10	2	2	5	0	0	1	0	0	0	1	1	1	4	1	4	0	12
MERRIMACK COUNTY	866	0	0	2	218	15	2	316	3	87	13	26	28	3	3	8	2	0	0	6	4	6	16	24	15	3	66
Allenstown	35	0	0		9	0	0	14	0	4	0	0		0	0	0	0	0	0	0	0	0				0	1
Andover	8	0	0	0		0	0	4	0	0	0	0		0	0	0	0	0	0	0	0	0	0		0	0	0
Boscawen	29	0	0	0	7		0	13	0		0	0	0		0	0	0	0	0	0	0		0		0	0	4
Concord	357	0	0	0	89	8	0	125	3	43	7	15	13					0	0				4	5	8		24
Epsom	36	0	0		6	0	0	14	0	5	0			0		0		0	0	0	0	0	0		0	0	5
Franklin	81	0	0		25		0	35	0	8	0		0	0		0		0	0			0	0			0	6
Hooksett	32	0	0	0	10	0	0	8	0	4	0		0	0	0		0	0	0	0				0	0		2
Hopkinton	31	0	0	0	6		0	10	0					0	0		0	0	0	0	0	0				0	4
New London	21	0	0	0	6			8	0			0		0	0	0	0	0	0	0	0	0	0			0	0
Pembroke	29	0	0	0	5			9	0	6				0	0		0	0	0		0	0	0	0	0	0	1
Pittsfield	33	0	0	0	8	0		11	0	3	0				0	0	0	0	0	0	0		0			0	2
Remainder of County	174	0	0	0	45	1	1	65	0	9	3	2	7	1	0	1	0	0	0	2	2	0	9	9	0	0	17

TABLE 25 NUMBER OF RESIDENT DEATHS[1] FOR 25 SELECTED CAUSES OF DEATH WITH ICD9 CODE NO.[2] BY COUNTY & SELECTED LOCATIONS, NEW HAMPSHIRE, 1981

	TOTAL DEATHS	Certain Intestinal Infections (007-009)	Tuberculosis (010-018)	Septicemia (038)	Malignant Neoplasms (140-208)	Diabetes Mellitus (250)	Anemias (280-285)	Diseases of the Heart (390-398,402,404-429)	Hypertension (401, 403)	Cerebrobascular Disease (430-438)	Atherosclerosis (440)	Pneumonia & Influenza (480-487)	Chronic Obstructive Pulmonary Disease (490-496)	Ulcer,Stomach & Duodenum (531-533)	Hernia & Intestinal Obstruction (550-553, 560)	Chronic Liver Disease & Cirrhosis (571)	Nephritis; Nephrotic Syndrome, Neohrosis(580-589)	Infections of Kidney(590)	Maternal Causes (630-676)	Congenital Anomalies (740-759)	Conditions in Early Infancy (760-779)	Symptoms, Signs, Ill Defined Conditions(780-799)	Motor Vehicle Accidents (E810-E825)	All Other Accidents (E800-E807, E826-E949)	Suicide (E950-E959)	Homicide (E960-E978 and Legal Intervention	All Other Causes
ROCKINGHAM COUNTY	1,383	0	1	7	322	30	4	510	3	110	15	57	51	6	5	15	13	3	0	12	4	6	33	36	19	6	115
Derry	135	0	0	0	27		0	47	0	7		7	5	0	0	3	0		0			0	4	7	3	1	16
Epping	29	0	0	0	8	0	0	12	0		0	0	3	0	0	0		0	0	0	0	0	0		0	0	2
Exeter	116	0	0	0	26		0	39	0	13	0	6	7	0		3		0	0	3			0	3			9
Hampstead	25	0	0	0	5		0	7		3	0		0	0	0	0	0	0	0	0		0		0		0	4
Hampton	88	0	0		20			33		8	0	3	3	0		0	0	0	0		0	0	3		0	0	9
Londonderry	48	0	0	0	11	3	0	17	0		0	0	3		0	0			0		0					0	5
Newmarket	29	0	0	0	12		0	7	0	3	0	0	0	0	0	0	0	1	0	0	0	0		0	0	0	3
North Hampton	26	0	0	0	5		0	10	0	5	0		0	0	0	0	0	0	0	0	0	0		0	0	0	2
Plaistow	25	0	0	0	7		0	7	0	0				0	0		0	0	0	0	0	0	0	0	0		2
Portsmouth	221	0	0		51	7		85	0	15	3	12	6	0		3		0	0		0		3	7	3		16
Raymond	53	0	0		7		0	25	0	5					0	0		0	0	0	0	0				0	4
Rye	42	0	0	0	9	0	0	17	0	6	0	0		0	0			0	0		0	0	0	0		0	4
Salem	154	0	0		36	4		59	0	14		6	8		0			0	0		0	0	7		0	0	8
Seabrook	55	0	0	0	17	3	0	18	0						0	0		0	0	0	0		4			0	4
Windham	25	0	0	0	8		0	4			0	0	0		0	0		0	0		0	0				0	3
Remainder of County	312	0	1	2	73	2	0	123	0	26	5	15	11	1	1	0	2	0	0	1	3	2	3	11	5	1	24
STRAFFORD COUNTY	662	0	0	2	155	18	1	244	2	49	7	17	16	3	1	9	9	0	0	1	13	6	18	18	9	1	63
Barrington	25	0	0		6			7	0		0		0		0			0	0	0	0				0	0	4
Dover	205	0	0		48	5		68		14		6	6		0	3	3	0	0		4	3	8	5	6	0	17
Durham	31	0	0		10	0		13				0	0			0		0	0		0						2
Farmington	45	0	0	0	6		0	23		7	0		0	0				0	0								3
Rochester	227	0	0	0	54	8	0	82	0	16	3	5	6	0		3	4	0	0	0	6	0	4	6			26
Somersworth	68	0	0	0	16		0	26	0	7	0		3	0	0		0	0	0	0		0	3	3	0	0	5
Rmainder of County	61	0	0	0	15	1	0	25	0	2	1	3	1	0	0	1	1	0	0	0	0	0	2	3	0	0	6
SULLIVAN COUNTY	366	0	0	3	89	14	0	146		17	5	4	9	0	1	6	2	0	0	1	3	0	10	13	7	1	34
Charlestown	35	0	0		11	3	0	5	0		0			0	0			0	0	0	0	0		3	3		3
Claremont	172	0	0		38	8	0	60		11	5		4	0				0	0		3	0		5	3		24
Newport	73	0	0		15		0	42		0	0			0				0	0		0	0	5				2
Sunapee	23	0	0	0	7		0	11	0		0			0		0	0	0	0		0	0				0	0
Remainder of County	63	0	0	0	18	0	0	28	0	3	0	0	2	0	0	2	0	0	0	0	0	0	2	3	0	0	5

1. The data are presented so that no town number of less than three for a specific cause appears, to meet confidentiallty requirements. Therefore, town numbers will not always sum to county totals nor will numbers for specific causes always sum to the town totals.
2. The nomenclature for the causes of death generally coincides with that appearing in the national reports of the National Center for Health Statistics.

- INFANT, NEONATAL AND FETAL MORTALITY -

Infant Deaths

Resident infant deaths numbered 132 in 1981, three less than in 1980 and the mortality rate was down slightly to 9.7 per 1,000 live births from 9.8 in 1980. This rate continues a long downward trend and was 17.1 percent lower than the U.S. 1981 infant death rate of 11.7.*

38.6 percent of all infant deaths occurred under one day of life while 54.5 percent took place at less than 7 days of age. Deaths at under one month numbered 85 for 64.4 percent of the total. The leading cause of infant mortality was "certain conditions originating in the perinatal period (ICD9 760-779)" accounting for 53 of the 132 deaths.

Neonatal Deaths

The number of resident neonatal deaths was 85 in 1981 compared to 102 in 1980 and the death rate dropped from 7.4 per 1,000 live births to 6.3 maintaining its downward course. Perinatal deaths (fetal plus deaths under seven days) totaled 160, seven more than in 1980 and the rate of 11.7 was slightly higher than 1980's rate of 11.2.

Fetal Deaths

1981 reports of resident fetal deaths totaled to 87, representing an increase of 21 over 1980. The mortality rate was 6.4 compared to 4.8 in 1980. Complications of the placenta, cord and membranes was the leading cause of death, accounting for 46.0 percent (40) of the total. In 43 cases, the fetus was female and in 42, male while there were two instances in which the sex was not known.

In relation to the age of the mother at the time of fetal death, mortality was highest among mothers 35 years of age and over at 12.2 fetal deaths per 1,000 deliveries. The next highest rate was 6.8 among mothers 30 to 34 years old. The age group 20-24 had the lowest fetal mortality rate, 5.1.

TABLE 26 RESIDENT FETAL, EARLY NEONATAL, PERINATAL, NEONATAL AND INFANT DEATH RATES* BY COUNTY, NEW HAMPSHIRE, 1981

COUNTY	Fetal Deaths		Early Neonatal Deaths		Perinatal Deaths		Neonatal Deaths		Infant Deaths	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Belknap	2	3.2	2	3.2	4	6.4	3	4.8	5	8.0
Carroll	0	0.0	5	13.2	5	13.2	6	15.8	7	18.5
Cheshire	5	5.6	3	3.4	8	9.0	3	3.4	5	5.7
Coos	1	2.2	3	6.7	4	8.9	3	6.7	6	13.5
Grafton	8	8.8	4	4.4	12	13.2	5	5.5	7	7.8
Hillsborough	31	7.2	28	6.6	59	13.8	31	7.3	45	10.6
Merrimack	9	6.3	6	4.2	15	10.6	7	5.0	13	9.2
Rockingham	18	6.1	8	2.7	26	8.8	10	3.4	19	6.5
Strafford	8	6.4	11	8.9	19	15.3	14	11.3	21	17.0
Sullivan	5	9.9	3	6.0	8	15.8	3	6.0	4	8.0
STATE:	87	6.4	73	5.4	160	11.7	85	6.3	132	9.7

* Fetal and Perinatal death rates are per 1,000 live births plus fetal deaths, in specified county.
Early Neonatal, Neonatal and Infant Death rates are per 1,000 live births, in specified county.

* *The U.S. white infant death rate which provides a more appropriate basis of comparison for New Hampshire was not available as of date of this report.*

TABLE 27 NUMBER OF RESIDENT INFANT DEATHS BY SEX AND NUMBER ACCORDING TO AGE, BY COUNTY NEW HAMPSHIRE, 1981

COUNTY	TOTAL	- SEX -		- AGE -												
		MALE	FEMALE	Under 1 Hr.	1-23 Hrs.	1 Day	2 Days	3 Days	4 Days	5-6 Days	7-13 Days	14-20 Days	21-27 Days	1 Mon.	2 Mon.	3-5 Mon.	6-11 Mon.
Belknap	5	2	3	2							1			1	1		
Carroll	7	3	4	3	2						1						1
Cheshire	5	2	3		2			1							1	1	
Coos	6	5	1		3												3
Grafton	7	4	3	1	1			1		1			1			1	1
Hillsborough	45	23	22	5	16	4		1	1	1	1	1	1	4	2	6	2
Merrimack	13	6	7		1	3		2					1	1		3	2
Rockingham	19	10	9		4	1		2	1				2	2	1	3	3
Strafford	21	11	10	1	7		1	1	1		1	1	1		1	5	1
Sullivan	4	2	2		3											1	
STATE:	132	68	64	12	39	8	1	8	3	2	4	2	6	8	6	20	13

TABLE 28 CAUSES OF RESIDENT INFANT DEATHS* BY SEX ACCORDING TO AGE, NEW HAMPSHIRE, 1981

CAUSE OF DEATH WITH ICD9 NO.	SEX	- AGE - Under 1 Hour	1-23 Hours	1-6 Days	7-27 Days	One Month	2-11 Months	Total Under 1 Yr.
Pneumonia & Influenza (480-487)	M	0	0	0	0	0	2	2
	F	0	0	0	0	1	0	1
	M & F	0	0	0	0	1	2	3
Congenital Anomalies (740-759)	M	2	7	5	1	1	3	19
	F	3	3	4	5	2	0	17
	M & F	5	10	9	6	3	3	36
Disorders relating to short gestation & unspecified low birthweight (765)	M	0	2	0	0	0	0	2
	F	1	4	0	0	0	0	5
	M & F	1	6	0	0	0	0	7
Birth Trauma (767)	M	1	0	1	2	0	0	4
	F	0	0	1	0	0	0	1
	M & F	1	0	2	2	0	0	5
Intrauterine hypoxia & birth asphyxia (768)	M	1	1	0	0	0	0	2
	F	0	0	1	0	0	0	1
	M & F	1	1	1	0	0	0	3
Respiratory distress syndrome (769)	M	0	1	2	1	0	0	4
	F	0	3	1	0	0	0	4
	M & F	0	4	3	1	0	0	8
Other conditions originating in the perinatal period (760-764, 766, 770-779)	M	2	8	2	2	0	1	15
	F	2	10	3	0	0	0	15
	M & F	4	18	5	2	0	1	30
Sudden Infant Death Syndrome (798.0)	M	0	0	0	1	2	10	13
	F	0	0	1	0	0	10	11
	M & F	0	0	1	1	2	20	24
All Other Causes (residual)	M	0	0	0	0	1	6	7
	F	0	0	1	0	1	7	9
	M & F	0	0	1	0	2	13	16
TOTAL:	M	6	19	10	7	4	22	68
	F	6	20	12	5	4	17	64
	M & F	12	39	22	12	8	39	132

* Cause of death classification and ICD9 codes comparable to those used in national vital statistics reports of the National Center for Health Statistics.

- MARRIAGE AND DIVORCE -

Marriage

In 1981, 9,987 marriages took place in New Hampshire, 736 more than in 1980 and the marriage rate increased for the first time in twelve years, rising from 10.0 per 1,000 population in 1980 to 10.7 in 1981.

The state rate was slightly higher than the 1981 national rate of 10.6 per 1,000 persons.

The median age of both brides and grooms increased. Brides were 24.2 median years old in 1981 compared to 23.6 in 1980 while grooms were at 26.6 median years compared to 26.0. (See Table 29 for age distributions of brides and grooms).

The education levels of persons marrying in 1981 were again higher than those of the previous year. Grooms with one or more years of college accounted for 41.9 percent of the total in 1981 as against 40.3 percent in 1980. Brides at the same educational level constituted 38.9 percent of all 1981 brides compared to 37.2 percent in the previous year. (Table 30).

First marriages for both bride and groom as a percentage of all marriages declined from 54.5 percent in 1980 to 52.8 percent in 1981. The percentage of brides only marrying for the first time decreased from 66.3 to 65.5 while first marriages among grooms dropped from 64.8 to 63.5 percent. (Table 31).

Divorce

The 1981 number of divorces totaled 5,288, a slight increase of 34 over 1980, but the number of divorces per 1,000 population was down slightly, 5.6 compared to 5.7 in 1980. The state divorce rate remained above the national rate which was 5.3 per 1,000 population in 1981.

Half of all 1981 divorces took place after less than 7.5 years of marriage reflecting a slight increase in the duration of marriages ending in divorce. In 1980 the median duration was 7.2 years.

The number of divorces involving minor children was 3,121. (See Table No. 33). Of these cases, 96.1 percent (2,991) were open to contests over custody of the children. Most of the time, (88.4 percent or 2,644 out of 2,991) the court's award of custody was not contested. Correspondingly, 11.6 percent of awards were disputed, a slight decrease from 1980's percentage of 12.9.

In 1981 cases where the custody award had not been contested, the mother received custody most frequently, 69.4 percent of the time. Joint mother-father awards were made in 23.0 percent of such cases while awards to the father accounted for 5.0 percent of the total. In comparison with 1980, the percentages of awards to the mother alone and to the father alone both decreased. For mothers, the percent dropped to 69.4 from 76.4 while it dropped from 6.1 to 5.0 for fathers. At the same time, joint custody awards increased from 15.4 percent in 1980 to 23.0 percent in 1981.

Where awards of custody were in contention in 1981 (347 instances), the courts gave custody to the mother in 73.2 percent of the cases compared to 74.6 percent in 1980. The percentage of awards to the father was up slightly, from 6.3 to 6.6 and joint mother-father awards also increased, from 13.4 to 14.7 percent.

Over the three year period of 1979-1981 the courts have shown an increasing tendency to award custody of minors to the mother and father jointly in both uncontested and contested custody cases. See Table No. 32.

TABLE 29 AGE OF BRIDE BY AGE OF GROOM, MARRIAGE OCCURRENCES, NEW HAMPSHIRE, 1981

AGE OF GROOM	TOTAL	- AGE OF BRIDE -																		
		13-17	18-19	20-21	22-23	24-25	26-27	28-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	8
13 to 17	37	20	12	2	1	1					1									
18 to 19	565	115	303	93	27	12	8	4	3											
20 to 21	1149	85	447	390	113	49	30	12	18	5										
22 to 23	1370	35	259	448	357	139	51	45	24	10	2									
24 to 25	1260	13	133	281	355	254	110	52	47	12	2	1								
26 to 27	999	5	64	155	194	233	169	79	87	10	1	2								
28 to 29	821	6	35	85	121	141	156	132	112	29	2	1	1							
30 to 34	1448	4	42	107	140	185	255	197	379	101	26	8	3	1						
35 to 39	841	2	11	34	44	78	79	90	268	159	60	12	2	1	1					
40 to 44	454		2	4	19	15	30	31	111	116	69	45	11	1						
45 to 49	362		1	4	6	10	12	19	77	65	70	68	21	7	2					
50 to 54	222		1			2	4	3	20	36	52	54	26	11	8	4				1
55 to 59	168				2	1		2	7	18	30	35	32	25	11	5				
60 to 64	111						2		2	8	9	15	20	23	22	7	2	1		
65 to 69	78			1					1	1	4	6	5	12	17	22	9			
70 to 74	56										4	1	3	7	10	15	12	4		
75 to 79	32										1		1	2	4	10	8	6		
80 to 84	11										1		2		1	1	4	2		
85 to 88	3																	1	2	
TOTAL:	9987	285	1310	1604	1379	1120	906	666	1156	570	334	248	127	90	76	64	35	14	3	

TABLE 30 EDUCATION OF BRIDE BY EDUCATION OF GROOM, MARRIAGE OCCURRENCES, NEW HAMPSHIRE, 1981

LAST GRADE COMPLETED BY GROOM	TOTAL	LAST GRADE COMPLETED BY BRIDE										
		UNDER 9 YEARS	HIGH SCHOOL				COLLEGE					NOT STATED
			1 YR.	2 YRS.	3 YRS.	4 YRS.	1 YR.	2 YRS.	3 YRS.	4 YRS.	OVER 4 YRS.	
8 Yrs. or Less	379	84	36	40	32	152	15	8	4	6	2	
1 Yr.High School	261	22	35	31	41	109	11	8	2	2		
2 Yrs.High School	495	26	32	94	69	224	19	18	7	6		
3 Yrs.High School	494	15	38	62	82	255	18	13	4	6	1	
4 Yrs.High School	4155	73	95	221	259	2499	304	319	121	216	46	2
1 Yr.College	640	9	9	25	15	295	103	74	25	67	17	1
2 Yrs. College	1040	13	6	24	29	394	141	176	60	156	41	
3 Yrs. College	338	1	2	3	5	116	44	61	31	60	14	1
4 Yrs. College	1341	4	2	7	14	320	120	186	101	484	102	1
Over 4 Yrs.	827	3	4	4	3	151	50	92	61	215	243	1
Not Stated	17		1			6						10
TOTAL:	9987	250	260	511	549	4521	825	955	416	1218	466	16

TABLE 31 NUMBER OF MARRIAGE FOR BRIDE BY NUMBER OF MARRIAGE FOR GROOM, MARRIAGE OCCURRENCES, NEW HAMPSHIRE, 1981

THIS MARRIAGE FOR GROOM	THIS MARRIAGE FOR BRIDE					
	TOTAL	FIRST	SECOND	THIRD	FOURTH	FIFTH OR MORE
First	6,343	5,278	968	87	8	2
Second	3,032	1,123	1,604	260	38	7
Third	514	128	274	94	17	1
Fourth	80	10	38	25	6	1
Fifth	16		11	4	1	
Sixth	1	1				
Eighth	1		1			
TOTAL:	9,987	6,540	2,896	470	70	11

TABLE 32 AWARD OF CUSTODY OF MINOR CHILDREN IN UNCONTESTED AND CONTESTED CASES OF CUSTODY, DIVORCE OCCURRENCES, NEW HAMPSHIRE, 1979-1981

CUSTODY AWARDED TO:	- CASES -											
	UNCONTESTED						CONTESTED					
	1979		1980		1981		1979		1980		1981	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Mother	2269	80.8	1980	76.4	1836	69.4	288	83.7	285	74.6	254	73.2
Father	167	5.9	159	6.1	131	5.0	15	4.4	24	6.3	23	6.6
Mother & Father Jointly	315	11.2	399	15.4	607	23.0	18	5.2	51	13.4	51	14.7
Split[1]	21	0.7	44	1.7	52	2.0	11	3.2	13	3.4	10	2.9
All Other	35	1.2	8	0.3	18	0.7	12	3.5	9	2.4	9	2.6
TOTAL[2]	2807	100%	2590	100%	2644	100%	344	100%	382	100%	347	100%

1. Children divided between mother and father for custody.
2. Total cases considered open to contest of custody: 1979-3,151; 1980-2,972; 1981-2,991.

TABLE 33 NUMBER OF DIVORCES AND NUMBER INVOLVING MINOR CHILDREN WITH NUMBER OF MINORS, BY COUNTY,* NEW HAMPSHIRE, 1981

DIVORCES AND MINORS	- COUNTY -										
	Belk.	Carr.	Ches.	Coos	Graft.	Hills.	Merr.	Rock.	Straf.	Sull.	TOTAL
All Divorces	200	141	324	153	323	1677	601	1165	473	231	5288
No. Divorces with Minors	121	78	187	95	193	988	364	670	287	138	3121
No Minors	246	138	330	173	361	1851	641	1186	502	241	5669

* County of issuance of decree

TABLE 34 CUMULATIVE FREQUENCY AND PERCENT, YEARS OF DURATION OF MARRIAGES ENDING IN DIVORCE,* New Hampshire, 1981

DURATION OF MARRIAGE IN YEARS	NO. DIVORCES	CUMULATIVE FREQUENCY	CUMULATIVE %
Less than 1 yr.	27	27	0.5
1 yr.	302	329	6.2
2 yrs.	458	787	14.9
3	419	1,206	22.8
4	431	1,637	31.0
5	340	1,977	37.4
6	368	2,345	44.3
7	290	2,635	49.8
8	279	2,914	55.1
9	248	3,162	59.8
10	229	3,391	64.1
11	200	3,591	67.9
12	201	3,792	71.7
13	150	3,942	74.5
14	163	4,105	77.6
15	127	4,232	80.0
16	118	4,350	82.3
17	107	4,457	84.3
18	93	4,550	86.0
19	94	4,644	87.8
20	81	4,725	89.4
21	54	4,779	90.4
22	74	4,853	91.8
23	53	4,906	92.8
24	56	4,962	93.8
25	50	5,012	94.8
26	48	5,060	95.7
27	25	5,085	96.2
28	22	5,107	96.6
29	33	5,140	97.2
30	21	5,161	97.6
31	24	5,185	98.1
32	12	5,197	98.3
33	12	5,209	98.5
34	14	5,223	98.8
35 & over	65	5,288	100.0

* "Divorces" include 5,235 divorce decrees, 40 legal separations and 13 annulments.

- APPENDIX -

DEFINITIONS

Birth Weight	Weight of fetus or infant at time of delivery (normally recorded in pounds and ounces).
Deliveries	Live births and fetal deaths.
Early Neonatal Death (or Hebdomadal death)	Death occurring to an individual less than seven days of age.
Fetal Death (reportable)	Death prior to the complete expulsion or extraction from the mother of a product of conception, having passed through at least the 20th week of gestation (the weight of which is 350 grams or more); the fetus shows no signs of life such as a beating heartbeat, pulsation of the umbilical cord, or definite movement of voluntary muscles.
Gestational Period	Number of weeks elapsed between the first day of the last menstrual period and date of delivery.
Out-of-Wedlock Birth	Birth wherein there is no marital tie between the mother and father.
Infant Death	Death occurring to an individual less than 1 year of age.
Late Neonatal Death	Death occurring between 7 and 28 days after birth.
Live Birth	A live birth is a complete expulsion or extraction from its mother a product of conception, irrespective of the duration of pregnancy which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or a definite movement of voluntary muscles.
Live-Birth Order	Order number is equal to number of previous live births plus current birth.
Low Birth Weight	Birth wherein the birth weight is less than 2500 grams (approximately 5 lbs. 8 oz.).
Maternal Death	Those deaths wherein the physician has designated a maternal condition as the underlying cause of death.
Neonatal Death	Death occurring to an infant less than 28 days of age.
Occurrence	Place where event actually occurred regardless of residence.
Perinatal Death	Fetal Death or a death under one week of age.
Race	Race of mother, father, or decedent is as stated on certificate.
Related Causes of Death	Condition other than the underlying cause of death which may have contributed to the death or was a non-contributory significant condition.
Residence	Usual place of residence for person to whom event occurred. For births and fetal deaths residence is defined as the mother's usual place of residence.

- APPENDIX -

RATE FORMULAS

Age-Adjusted Death Rate = (Age-Specific Death Rates/X/Proportion of standard population in Specific Age Group)

Age-Specific Birth Rate = $\frac{\text{No. of Resident Live Births for a Specific Age of Mother}}{\text{Tot. Female Population of Specific Age (Mid Year)}} \times 1{,}000$

Age-Specific Death Rate = $\frac{\text{No. of Deaths in a Specific Age Group}}{\text{Tot.Resident Population in Specific Age Group}} \times 100{,}000$

Crude Birth Rate = $\frac{\text{No. of Resident Live Births}}{\text{Total Resident Population (Mid-Year)}} \times 1{,}000$

Crude Death Rate = $\frac{\text{No. of Resident Deaths}}{\text{Total Resident Population (Mid-Year)}} \times 1{,}000$

Divorce Rate = $\frac{\text{No. of Divorces, Annulments, Leg.Separations}}{\text{Tot. Resident Population (Mid-Year)}} \times 1{,}000$

Early Neonatal Death (or Hebdomadal Death) Rate = $\frac{\text{No. of Early Neonatal Deaths}}{\text{Total Resident Live Births}} \times 1{,}000$

Fertility Rate = $\frac{\text{No. of Resident Live Births}}{\text{Tot.Resident Female Population (15-44)}} \times 1{,}000$

Fetal Death Rate = $\frac{\text{No. of Resident Fetal Deaths}}{\text{No.of Res.Live Births \& Res.Fetal Deaths}} \times 1{,}000$

Out-of-Wedlock Birth Rate = $\frac{\text{No. of Out-of-Wedlock Births}}{\text{Total Resident Live Births}} \times 1{,}000$

Infant Death Rate = $\frac{\text{No. of Infant Deaths}}{\text{Total Resident Live Births}} \times 1{,}000$

Low-weight Birth Rate = $\frac{\text{No. of Live Births (Less than 2500 grams)}}{\text{Total Resident Live Births}} \times 1{,}000$

Marriage Rate = $\frac{\text{No. of Marriages}}{\text{Tot.Resident Population (Mid-Year)}} \times 1{,}000$

Maternal Death Rate = $\frac{\text{No. of Maternal Deaths}}{\text{Total Resident Live Births}} \times 10{,}000$

Neonatal Death Rate = $\frac{\text{No. of Neonatal Deaths}}{\text{Total Resident Live Births}} \times 1{,}000$

Perinatal Death Rate = $\frac{\text{No. of Perinatal Deaths}}{\text{Total Resident Live Births and Resident Fetal Deaths}} \times 1{,}000$

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